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58th CHRISTMAS BIRD COUNT

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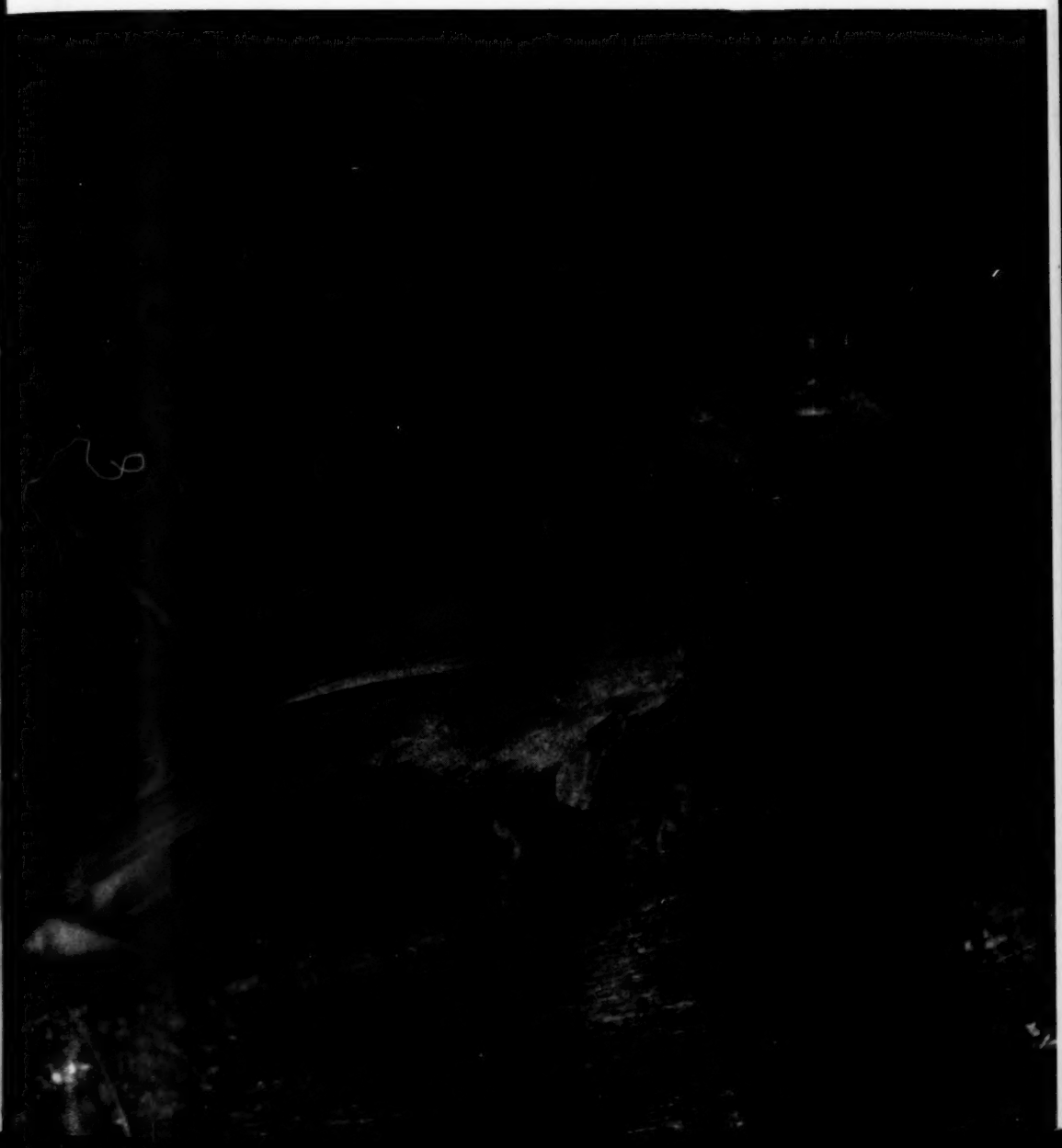

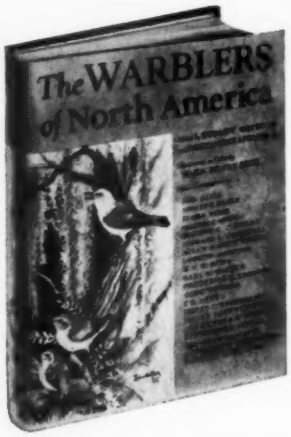

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Audubon FIELD NOTES

Vol. 12, No. 2

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A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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Cover Photograph of Female Cardinal by Allan D. Cruickshank

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Fifty-eighth Christmas Bird Count

Edited by Allan D. Cruickshank

DURING THE LAST YEAR the term "bird-watchers" has appeared frequently in newspaper headlines across the continent. In most instances the accompanying article discussed Jupiter, Vanguard, Atlas or Thor missiles streaking southeastward high over the Atlantic, some even skyrocketing into outer space. The use of "bird-watchers" to designate those watching missiles may be attributed, in part at least, to Christmas Bird Counts. Some of the first reporters writing stories of missile activities at Cape Canaveral were those who for three years had been on, or at least covered the story of, the Christmas Bird Count of the Indian River Audubon Society in the adjacent Cocoa–Port Canaveral area. William Shelton of Orlando, Florida, who had covered the Christmas Bird Count for *Time* and *Sports Illustrated*, stated that missile-watchers were just like bird-watchers; they carried high-powered binoculars, telescopes, cameras, and were afield from dawn until dark or even through the night hoping for a brief glimpse of a rare bird.

Once again the Christmas Bird Count created great excitement and enthusiasm across the continent. Your editor, as usual, received numerous letters from all sections of the United States and Canada wholeheartedly endorsing the project, and emphasizing the stimulation it gave to local Audubon Societies and other natural science clubs. Professor Howard W. Hintz of Tiffin, Ohio, wrote: "Adding up the results at the end of the day is as exciting to these birders as hearing election results in November." The steady growth of interest in Christmas Bird Counts is reflected in the record-breaking 565 reports published this year, 30 more than the previous high just a year before.

The following 11 reports listed more than 140 species:

Cocoa, Fla.	193
Laguna Atascosa National Wildlife Refuge, Tex.	165
San Diego, Calif.	165
Tomales Bay, Calif.	155
Houston, Tex.	154
Coot Bay–Everglades National Park, Fla.	152
Los Angeles, Calif.	148
St. Marks, Fla.	144
Wilmington, N. C.	144
Panacea, Fla.	142
Ocean City, Md.	141

Nine of these 11 high counts came from 3 states; 4 from Florida, 3 from California, and 2 from Texas. This is not surprising as these states are so situated geographically as to attract the greatest variety of birds during the winter months. Probably the majority of high counts always will come from these 3 states. Not only were 193 species recorded at Cocoa, but 10 additional species were seen in that area during the week indicating that over 200 species were present in this 15-mile diameter circle at Christmastime. Some day with a combination of ideal weather, exceptional flights, and an even greater number of keen, energetic, experienced observers the 200 mark may be achieved on the Big Day.

At the low end of the list only the following five counts recorded less than 10 species:

Cohoe, Alaska	7
Dummer Hill, N. H.	7
Virgelle, Mont.	7
Cranberry Portage, Man.	8
Waubay National Wildlife Refuge, S. Dak.	9

The count from Cranberry Portage, 60 miles north of Le Pas, is the first one received from Manitoba since 1951. Ralph McCleary deserves great credit for braving temperatures which dipped to 46° below zero and never climbed to higher than minus 40° during the day. The 6 participants from Carleton, Sask. who recorded 15 species braved temperatures virtually as severe, the day's mercury ranging from a high of 25° below zero to a low of minus 34°. Dr. Stuart Houston of Yorkton, Sask., compiler and chief organizer for this count wrote: "Thirty-four degrees below zero is tolerable when calm, but with the 15 m.p.h. wind, one's face went numb if one faced the wind for more than a minute. One party spent 2 hours shovelling their way out of a drift. It was too cold to go for help from the nearest farmer two miles away. Members of both parties had frozen ears and cheeks."

The Black-headed Gull which a decade ago was considered a great discovery anywhere on this side of the Atlantic now is of regular occurrence in Nova Scotia from November to March. Eighteen were reported from Halifax and 14 from Cole Harbour–Chezzetcook.

The well-organized, energetic 53 participants from Hamilton, Ontario, again topped all counts from that province, but they were toppled from the peak of Canadian counts by equally energetic observers from British Columbia who ran up an impressive list of 99 species. While discussing Christmas Bird Counts with a group of Canadians several years ago your editor predicted that Hamilton's place at the peak of all Canadian counts would be short-lived if a well-organized group from coastal British Columbia participated. The Vancouver count reported 637 Barrow's Golden-eyes and stated that this number was by no means unusual. Compare this with the preceding year's high count of 17 for the continent. Their listing of 71 Crested Mynahs indicates how well-established this introduced species now is in the Vancouver region.

There was a distinct southward movement of Gray Jays into New England. The species was listed on 2 of the 3 counts from Maine, from 1 in New Hampshire, 1 in Massachusetts, and 1 from as far south as Litchfield Hills, Conn. Several other groups in New England, failing to find a Gray Jay in their circle on count day, mentioned that the species had

Highest Counts For Each State or Province

State or Province	*Number of Counts*	*Highest Count*
Nova Scotia	4	Cole Harbour–Chezzetcook (62)
Quebec	4	Montreal (31)
Ontario	16	Hamilton (75)
Manitoba	1	Cranberry Portage (8)
Saskatchewan	3	Regina (25)
Alberta	2	Edmonton (24)
British Columbia	2	Vancouver (99)
Alaska	1	Cohoe (7)
Maine	3	Mount Desert Island (59)
New Hampshire	4	Coastal New Hampshire (55)
Vermont	4	Burlington (33)
Massachusetts	14	Cape Cod (109)
Rhode Island	2	Newport, R. I. and Westport, Mass. (119)
Connecticut	9	Westport (101)
New York	38	Southern Nassau County (123)
New Jersey	19	Cape May (136)
Pennsylvania	28	Glenolden (92)
Delaware	3	Bombay Hook National Wildlife Refuge (127)
Maryland	13	Ocean City (141)
District of Columbia	1	Washington (96)
Virginia	20	Back Bay National Wildlife Refuge (127)
North Carolina	11	Wilmington (144)
South Carolina	7	Charleston (133)
Georgia	7	Okeefenokee National Wildlife Refuge (91)
Florida	23	Cocoa (193)
Ohio	36	Buckeye Lake (79)
West Virginia	4	Huntington (56)
Kentucky	7	Louisville (82)
Tennessee	13	Memphis (82)
Alabama	3	Dauphin Island (137)
Mississippi	2	Natchez (66)
Michigan	17	Detroit (60)
Indiana	12	Indianapolis (64)
Illinois	17	Crab Orchard Wildlife Refuge (67)
Wisconsin	17	Madison (78)
Minnesota	15	Excelsior (40)
Iowa	14	Davenport (77)
Missouri	4	Weldon Springs (71)
Arkansas	6	Lonoke (87)
Louisiana	4	Sabine National Wildlife Refuge (138)
North Dakota	6	Bismarck (27)
South Dakota	10	Sand Lake National Wildlife Refuge (41)
Nebraska	9	Scottsbluff (52)
Kansas	10	Topeka (65)
Oklahoma	8	Tulsa (79)
Texas	31	Laguna Atascosa National Wildlife Refuge (165)
Montana	6	Billings (48)
Wyoming	2	Casper (46)
Colorado	12	Jefferson County (84)
New Mexico	8	Bosque del Apache National Wildlife Refuge (81)
Idaho	1	Nampa (45)
Utah	2	Bear River Migratory Bird Refuge (54)
Arizona	6	Santa Catalina Mountains (107)
Nevada	2	Reno (56)
Washington	5	Seattle (93)
Oregon	6	Portland (86)
California	30	San Diego (165)

been recorded locally during the month.

The Cardinal apparently continues to extend its range northeastward. Before 1935 this species was noteworthy anywhere east of the Hudson River. In the last few years Christmas Bird Counts from southeastern New York state and southern Connecticut have reported up to 4 dozen or more from a single 15-mile diameter circle. In fact, this year the Bronx–Westchester Region, N. Y. recorded 67, and 16 were seen as far north as Hartford, Conn. L. M. Bartlett, compiler for the Northampton, Mass. birders reported an unprecedented invasion beginning October 19, and listed 9 seen on count day. Two frequented a feeder even as far north as Webster Corner, Me. and there were December reports scattered across this northeasternmost state.

Most localities across the United States from Maine to California mentioned unseasonably mild weather during December with little snow and no sustained freezes. As a result many half-hardy species lingered far north of their normal wintering grounds, waterfowl remained on the open lakes and marshes, and many localities established record counts. At Schenectady, N. Y. bees were seen flying around a hive, and at Toledo, Ohio, dandelions were in bloom and a garter snake was enjoying the December sun. Perhaps this mild weather enabled a Cape May Warbler to survive as far north as Newport, R. I. and establish the latest record for the species in the state. Perhaps it enabled Southern Nassau County, L. I., N. Y. to record 123 species, 7 more than the previous high for the area. Likewise, 3 Common Nighthawks at Cookeville, Tenn. and a Rose-breasted Grosbeak at Madison, Wis. probably survived until count time because of the mild weather.

A Black-legged Kittiwake carefully studied by Floyd Wolfarth, a very competent observer, as it flew around the Boonton Reservoir, N. J. certainly was far from its normal oceanic haunts. Franklin's Gulls at Louisville, Ky. and in the Flamingo area of the Everglades National Park were almost as unusual

Ten years ago no one expected to find Olive-backed Thrushes wintering in the United States. In recent years, however, a few have been discovered braving the northern December. During the 58th Christmas Bird Count 1 was identified carefully as far north as Northern Nassau County, L. I., N. Y., and 2 were recorded in Maryland, 1 in Virginia, 2 in Georgia, 2 in Texas, and 19 in California!

A Say's Phoebe appeared in York, Pa. on December 21 and was identified carefully by numerous observers. It was kind enough to remain in the area for count day one week later. Other outstanding stragglers from the West were a Harris's Sparrow at Seneca, Md.; an Ash-throated Flycatcher at Little Creek, Va.; 2 Gambel's Sparrows at Fort Belvoir, Va.; a Western Grebe at Wilmington, N. C.; a Yellow-headed Blackbird at Gainesville, Fla. and a Black-throated Gray Warbler at Panacea, Fla. At Bombay Hook National Wildlife Refuge, Del. 8 Brewer's Blackbirds were seen. This western species has been recorded on 5 consecutive counts in that area. That this bird is steadily extending its wintering range eastward is emphasized by counts of 800 at Chapel Hill, N. C., 10,100 at Rome, Ga. and 4650 at Pensacola, Fla.

In most localities in the East northern finches were disappointingly scarce following a heavy early autumn flight which extended as far south as North Carolina and Tennessee. However, an exceptionally heavy flight of American Goldfinches moved deep into Florida. Daytona Beach reported 954, Cocoa 500+, Titusville–Merritt Island 455 and Coot Bay–Everglades National Park 385. Pine Siskins, usually very rare in Florida, were reported regularly in north Florida throughout December, and 8 were recorded on the count as far south as Cocoa.

Cattle Egrets continued to spread. They were recorded on 12 Florida counts, and 4 were seen as far west as Galveston Island, Tex.

It is regretted that lack of space prevents your editor from printing the many interesting details submitted by compilers. This year Fred W. Behrend who took 7 counts in the mountains of Tennessee, North Carolina and Virginia submitted a most interesting detailed chart tabulating the actual altitudes at which each bird or flock of birds was seen. Such an analysis is much more interesting to the serious advanced student than the mere listing of species. Imagine a Cardinal in the severe winter weather encountered on those rugged mountains at 5000 feet, an Eastern Meadowlark flushed from a grassy stretch at 5225 feet, and Snow Buntings found 4 years out of 5 in the same locality at 5500 feet. Undoubtedly some ornithological publication will be interested in publishing such an analysis. The chart has been returned to Mr. Behrend and anyone desiring to publish the data should contact him directly.

Texas, as usual, recorded an amazing variety of birds. A Kentucky Warbler at Houston, 2 Wood Pewees on Galveston Island, 26 Whooping Cranes on the Aransas National Wildlife Refuge, a Brown Creeper at Laguna Atascosa National Wildlife Refuge, and a Jacana at the Santa Ana National Wildlife Refuge are outstanding.

The report of 23 Poor-wills from northeastern Orange County, Calif. suggests that this species may be of regular occurrence in winter in many sections of the Southwest but is overlooked. The unprecedented number of Swainson's Hawk records sprinkled across the western third of the United States undoubtedly are attributable to the mild December weather. Bullock's and Hooded Orioles were reported lingering through December in southern California in increasing numbers, apparently because of their liking for the sweet sugar or honey liquid available in an ever-increasing number of hummingbird feeders.

Nineteen Slate-colored Juncos and 1 White-throated Sparrow were seen at Portland, Ore. In California a total of 13 Slate-colored Juncos were recorded on 7 counts, and a total of 9 White-throated Sparrows on 6 counts. One is led to speculate on whether these figures indicate a westward extension of the wintering grounds for these two primarily Eastern species, or merely reflect more thorough coverage by an ever-increasing number of competent observers.

1. **Honolulu, Hawaii** (same general area and coverage as last 3 years).—Dec. 22; 6:40 a.m. to 4 p.m. Overcast a.m., partly cloudy to bright p.m.; temp. 65° to 82°; wind NE, 12-40 m.p.h. Nine observers in 4 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 45 (15 on foot, 30 by car). Black-footed Albatross, 2; Red-footed Booby, 1230; Brown Booby, 66; Greater Man-o'-war-bird, 241; Black-crowned Night Heron, 4; European Widgeon, 4; Am. Widgeon, 11; Pintail, 81; Shoveller, 60; Ring-necked Pheasant, 2; Florida Gallinule, 4; Am. Coot, 1138; Am. Golden Plover, 177; Black-bellied Plover, 4; Ruddy Turnstone, 110; Wandering Tattler, 8; Greater Yellow-legs, 1; Sanderling, 26; Black-necked Stilt, 24; Pomarine Jaeger, 17 (off Sand Island); Bonaparte's Gull, 1; Hawaiian Noddy, 12; Spotted Dove, 59; Barred Dove, 218; Japanese Varied Tit, 1; Hawaiian Creeper, 1; Mockingbird, 2; Shama Thrush, 6; Red-billed Leiothrix, 72; White-eye, 102; Mynah, 245; Ricebird, 178; Elepaio, 10; Amakihi, 24; Apapane, 241; House Sparrow, 96; Am. Cardinal, 22; Brazilian Cardinal, 8; House Finch, 57. **Total,** 39 species; about 4565 individuals. (Herring Gull seen just outside circle count day.)—Charles Hanson, Grenville Hatch (compiler), Jessie Hauck, Joseph E. King, Unoyo Kojima, Alphonse Labrecque, Blanche A. Pedley, Ruth R. Rockafellow, Alfred E. Stoops (Hawaiian Audubon Society and guest).

2. **Cole Harbour–Chezzetcook, Nova Scotia** (7½-mile radius centered on Mineville: Eastern Shore Highway and connecting roads between Dartmouth and Porter's Lake; Cole Harbour, Lawrencetown, Wedge Island, Seaforth and Chezzetcook; mixed second-growth woods 45%, salt water 30%, fresh water 10%, salt and brackish marsh 10%, farms and settlements 5%).—Dec. 22; 7:45 a.m. to 4:45 p.m. Early fog, then mostly cloudy; temp. 50° to 45°; wind NNW, 0-25 m.p.h.; ground wet, free of snow, all water open, heavy swell at sea. Fourteen observers in 6 parties. Total party-hours, 47 (28 on foot, 19 by car); total party-miles, 149 (35 on foot, 114 by car). Common Loon, 3; Red-necked Grebe, 2; Horned Grebe, 28; cormorant (sp.), 2; Great Blue Heron, 1; Canada Goose, 430; Black Duck, 420; Pintail, 3; Am. Golden-eye, 30; Bufflehead, 21; Old-squaw, 31; Common Eider, 5; White-winged Scoter, 4; Surf Scoter, 11; Am. Scoter, 11; Am. Merganser, 3; Red-breasted Merganser, 53; ducks (sp.), 20; hawk (buteo), 1; Ruffed Grouse, 2; European Partridge, 7; Wilson's Snipe, 1; Purple Sandpiper, 26; Sanderling, 20; Great Black-backed Gull, 115; Herring Gull, 805; Ring-billed Gull, 7; **Black-headed Gull, 14** (now regular in winter); **Common Murre, 1**; Brünnich's Murre, 1; Dovekie, 8; Black Guillemot, 1; Mourning Dove, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Arctic Woodpecker, 1; Horned Lark, 5; Gray Jay, 17; Blue Jay, 42; Common Raven, 23; Am. Crow, 150; Black-capped Chickadee, 125; Brown-capped Chickadee, 19; White-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 43; Common Starling, 665; **Palm Warbler, 3** (seen frequently this Dec.); House Sparrow, 510; Brown-headed Cowbird, **350**; Evening Grosbeak, 1; Common Redpoll, 54; Pine Siskin, 23; Am. Goldfinch, 145; White-winged Crossbill, 17; finches (sp.), 40; Savannah Sparrow, 20; Slate-colored Junco, 255; Am. Tree Sparrow, 21; White-throated Sparrow, 9; Swamp Sparrow, 5; Song Sparrow, 34; Lapland Longspur, 2; Snow Bunting, 4. **Total,** 62 species; about 4683 individuals. (Seen in area count period: **Virginia Rail,** Gray Shrike, **Eastern Meadowlark.**) [Both reports submitted by Macpherson exceptionally neat and carefully prepared—Ed.]—C. R. K. Allen, John Comer, J. K. S. Kirkaldy, I. A. Macpherson, L. B. Macpherson (compiler), J. A. McCarter, W. J. Mills, H. P. Moffatt, T. F. T. Morland, J. C. Morrow (Nova Scotia Bird Society).

3. **Halifax, Nova Scotia** (7½-mile radius centered just north of Henry L. on Old Sambro Rd. Includes city, Harbor, Northwest Arm and roads to Herring Cove, Sambro, Prospect Bay and Timberlea; mixed second-growth woodland, mostly conifer 50%, open barrens 15%, salt water 15%, fresh water 7%, small farms 7%, cities and villages 6%).—Dec. 26; 7:45 a.m. to 5 p.m. Mostly cloudy; temp. 24° to 33°; wind SE, 5-25 m.p.h.; ground bare, thin ice on some ponds and inlets, heavy swell at sea. Twenty observers, 10 in 6 parties, 10 at 9 feeding stations. Total party-hours, 38 plus feeder-watching time (19 on foot, 17 by car, 2 by boat); total party-miles, 101 (20 on foot, 76 by car, 5 by boat). Common Loon, 6; Red-necked Grebe, 6; Horned Grebe, 6; cormorant (sp.), 35; Am. Golden-eye, 5; Old-squaw, 9; White-winged Scoter, 9; Am. Scoter, 10; Red-breasted Merganser, 3; Sharp-shinned Hawk, 1; Rough-legged Hawk, 1; hawk (sp.), 1; Purple Sandpiper, 1; Glaucous Gull, 1; Iceland Gull, 3; Great Black-backed Gull, 580; Herring Gull, 5700; Ring-billed Gull, 7; **Black-headed Gull, 8** (now regular in winter); Brünnich's Murre, 1; Dovekie, 6; Hairy Woodpecker, 6; Downy Woodpecker, 5; Horned Lark, 15; Gray Jay, 13; Blue Jay, 28; Common Raven, 14; Am. Crow, 134; Black-capped Chickadee, 98; Brown-capped Chickadee, 15; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 8; Golden-crowned Kinglet, 17; Gray Shrike, 2; **Palm Warbler, 1**; Common Starling, 5100; **Yellow-breasted Chat, 1** (2 preceding species seen repeatedly this Dec.); House Sparrow, 1200; Brown-headed Cowbird, 3; Evening Grosbeak, 31; Purple Finch, 2; Pine Grosbeak, 10; Common Redpoll, 60; Pine Siskin, 17; Am. Goldfinch, 76; White-winged Crossbill, 10; Savannah Sparrow, 6; Slate-colored Junco, 110; Am. Tree Sparrow, 7; Song Sparrow, 11. **Total,** 51 species; about 13,407 individuals.—C. R. K. Allen, John Comer, J. K. S. Kirkaldy, I. A. Macpherson, L. B. Macpherson (compiler), J. A. McCarter, W. J. Mills, and T. F. T. Morland (Nova Scotia Bird Society).

4. **West Middle Sable, Nova Scotia** (from Matthews Lake and Hemeon Head to 1 mile north of Sable River and from Sable River to East Sable River and Johnson Pond; mixed woods, largely

coniferous 29%, ocean shore 8%, sheltered brackish water 18%, sand beach 6%, scattered rural community 39%).—Dec. 24; 7:20 a.m. to 5 p.m. Mostly sunny; temp. 40° to 50°; wind SW to W, 5-20 m.p.h.; no frost, ice or snow. Four observers in 4 parties (2 stationary). Total party-hours, 15½ (8½ on foot, 3 by car, 4 by bicycle); total party-miles, 49 (14 on foot, 20 by car, 15 by bicycle). Common Loon, 1; Horned Grebe, 2; European Cormorant, 54; Canada Goose, 652; Black Duck, 173; Greater Scaup, 25; Am. Golden-eye, 2; Buffle-head, 15; Old-squaw, 1; Common Eider, 3; Am. Scoter, 40; Ruffed Grouse, 3; Great Black-backed Gull, 61; Herring Gull, 1010; Dovekie, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Horned Lark, 1; Gray Jay, 6; Blue Jay, 4; Common Raven, 3; Am. Crow, 81; Black-capped Chickadee, 7; Brown-capped Chickadee, 3; Am. Robin, 1; Common Starling, 14; House Sparrow, 1; Am. Goldfinch, 9; Slate-colored Junco, 34; Am. Tree Sparrow, 8; White-throated Sparrow, 2; Song Sparrow, 3; Lapland Longspur, 1. **Total,** 33 species; about 2224 individuals. (Seen in area count period: Mallard, Goshawk, Horned Owl, White-breasted Nuthatch, **Brown Thrasher,** Baltimore Oriole, Chipping Sparrow, Swamp Sparrow.) [Exceptionally neat, carefully prepared report—ED.]—Harrison F. Lewis (compiler), Laura N. Lewis, Mrs. Cecil Thompson, Harold F. Tufts.

5. Wolfville, Nova Scotia (within a radius of 7½ miles of Acadia University, west to Kentville, south to Black River, east to Avonport, north to Pereau).—Dec. 26; 7 a.m. to 4 p.m. Partly clear; temp. 20° to 34°; wind light SW; ground bare, ponds mostly open. Four observers in 2 parties. Total party-hours, 32 (16 on foot, 16 by car); total party-miles, 190 (16 on foot, 174 by car). Canada Goose, 110; Black Duck, 210; Am. Golden-eye, 17; Goshawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 13; **Pigeon Hawk,** 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 8; Wilson's Snipe, 1; Great Black-backed Gull, 200; Herring Gull, 524; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 7; Blue Jay, 59; Common Raven, 118; Am. Crow, 620; Black-capped Chickadee, 33; Brown-capped Chickadee, 9; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 42; Golden-crowned Kinglet, 13; Common Starling, 1203; House Sparrow, 490; Red-winged Blackbird, 1; Evening Grosbeak, 15; Purple Finch, 6; Pine Grosbeak, 1; Common Redpoll, 23; Am. Goldfinch, 5; White-winged Crossbill, 6; Savannah Sparrow, 10; Slate-colored Junco, 200; Am. Tree Sparrow, 5; White-throated Sparrow, 1; Song Sparrow, 7. **Total,** 41 species; about 3978 individuals.—John S. Erskine, Rachel Erskine, Ralph L. Mosher, Robie W. Tufts (compiler).

6. Arvida, Que. (same area as last year; mixed woods 68%, farmland 22%, residential and industrial 3%, fresh water 6%, tidal water 1%).—Dec. 22; 8 a.m. to 4 p.m. Overcast; temp. 29° to 26°; wind NW, 16-4 m.p.h.; ground partly clear of snow, 6-12-in. crusted snow in woods, all water frozen except Saguenay River. Eleven observers in 8 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 157 (20 on foot, 137 by car). Am. Merganser, 9; gull (Glaucous or Iceland), 1; **Horned Lark,** 1; Gray Jay, 3; Blue Jay, 10; Am. Crow, 15; Black-capped Chickadee, 29; Brown-capped Chickadee, 2; Red-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 169; House Sparrow, 118; Evening Grosbeak, 1; Pine Grosbeak, 4; Common Redpoll, 11. **Total,** 15 species; about 375 individuals. (Seen in area count period: Am. and Barrow's Golden-eye, Ruffed Grouse, Glaucous and Herring Gull, Pileated and Hairy Woodpecker, Snow Bunting.)—D. T. Austin, P. W. P. Browne (compiler), J. Collins, P. Gummer, W. K. Gummer, A. Miller, G. Moeller, U. Moeller, B. R. Pathak, P. Pathak, D. Pearson.

7. Hudson Heights–Hudson, Que. (same area as in 1953 including Como).—Dec. 28; 8 a.m. to 4 p.m. Partly cloudy; temp. 20° to 25°; wind E, 10 m.p.h.; no snow on ground, streams and Lake of Two Mountains partly frozen. Twelve observers in 7 parties. Total party-hours, 37 (26 on foot, 4 by car, 7 at feeders); total party-miles, 90 (42 on foot, 48 by car). **Rough-legged Hawk,** 1; Ruffed Grouse, 5; Pileated Woodpecker, 3; Hairy Woodpecker, 18; Downy Woodpecker, 28; **Arctic Woodpecker,** 1; Blue Jay, 41; Am. Crow, 1; Black-capped Chickadee, 207; White-breasted Nuthatch, 35; Red-breasted Nuthatch, 4; Golden-crowned Kinglet, 11; Common Starling, 21; House Sparrow, 111; **Red-winged Blackbird,** 1; **Purple Grackle,** 1; Evening Grosbeak, 221; Purple Finch, 20; Pine Grosbeak, 30; Common Redpoll, 199; Am. Goldfinch, 4; Slate-colored Junco, 8; Am. Tree Sparrow, 37. **Total,** 23 species; about 1008 individuals. (Seen in area count period: Herring Gull, Sparrow Hawk, Horned Owl, Brown Creeper.)—Mrs. A. Bryan, Amy Clarke, M. Clark, R. Cundill, R. Farren, Mrs. G. Golden, A. Kelly, R. Lepingwell, Mrs. D. Macaulay, D. Macaulay, Jr., H. Marpole, Mrs. R. W. Wright (compiler).

8. Montreal, Que. (Mount Royal, Lasalle, Thorn Hill, Strathmore, Cartierville, Laval des Rapides, Ahuntsic, St. Helen's Island, Nun's Island, Goat Island, Heron Island, south shore St. Lawrence River from Mercier Bridge to Jacques Cartier Bridge, and north shore from Dorval to Verdun).—Dec. 21; 8 a.m. to 4:10 p.m. Cloudy with intermittent squalls; temp. 46° to 38°; wind SW, 15-25 m.p.h.; no snow, fresh water unfrozen. Twenty-two observers in 9 parties. Total party-hours, 58 (38 on foot, 18 by car, 2 in boat); total party-miles, 123 (38 on foot, 78 by car, 7 by boat). Double-crested Cormorant, 1 [no details—ED.]; Mallard, 25; Black Duck, 732; Am. Widgeon, 33; Pintail, 48; Greater Scaup, 6; Am. Golden-eye, 466; Am. Merganser, 66; Rough-legged Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 12; Glaucous Gull, 12; Iceland Gull, 7; Great Black-backed Gull, 23; Herring Gull, 617; Ring-billed Gull, 85; Screech Owl, 1; Yellow-shafted

Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 6; Am. Crow, 4; Black-capped Chickadee, 112; White-breasted Nuthatch, 7; Brown Creeper, 19; Am. Robin, 1; Common Starling, 254; House Sparrow, 230; Pine Grosbeak, 1; Common Redpoll, 59; Am. Goldfinch, 6. **Total,** 31 species; about 2848 individuals.—W. F. Black, Mrs. H. E. Chalk, J. D. Delafield, Delisle Garneau, L. Grahame, E. Hawkins, G. Hibbard, A. Hickey, J. Howes, A. W. B. Kelly, A. R. Lepingwell, J. K. Lowther, Mrs. J. K. Lowther, I. A. McLaren (compiler), K. Milroy, G. H. Montgomery, John Montgomery, J. A. Rolland, D. Ryan, D. E. Sergeant, J. Summerby, Joan Thorton (Prov. Quebec Soc. for the Protection of Birds).

9. **Quebec, Que.** (same area as in 1956, Ste. Foy to Quebec bridge, Quebec seaport to Island of Orleans bridge, Plains of Abraham, Charlesbourg, Orsainville, Quebec Zoological Garden; town suburbs 14%, fields 25%, coniferous forests 12%, deciduous woods 5%, mixed woodlands 29%, shores 15%).—Dec. 26; 7 a.m. to 4:10 p.m. Overcast, heavy snow p.m., then rain; temp. 28° to 35°; wind NE, 3-8 m.p.h.; 3-12-in. snow on ground, streams open, few icefields on St. Lawrence River. Twenty-five observers in 6 parties. Total party-hours, 33 (30 on foot, 3 by car); total party-miles, 73 (37 on foot, 36 by car). Am. Golden-eye, 4; Am. Merganser, 6; Ruffed Grouse, 9; Iceland Gull, 2; Great Black-backed Gull, 2; Herring Gull, 32; Ring-billed Gull, 1; Horned Owl, 1; Barred Owl, 1; Hairy Woodpecker, 8; Downy Woodpecker, 2; Blue Jay, 16; Am. Crow, 2; Black-capped Chickadee, 61; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 200; House Sparrow, 945; Red-winged Blackbird, 1; Evening Grosbeak, 13; Pine Grosbeak, 16; Common Redpoll, 6; Song Sparrow, 1. **Total,** 24 species; about 1334 individuals. (Seen in area count period: Gray Jay.)—B. Asselin, R. Cayouette (compiler), R. Dumais, F. Hamel, R. Lepage, L.-A. Lord, R. St-Laurent, H. Talbot (Le Club des Ornithologues, Québec).

10. **Bancroft, Ont.** (same area as in former years).—Dec. 24; 8 a.m. to 4:15 p.m. Stormy a.m., clearing p.m.; temp 30° to 25°; wind gusts to 40 m.p.h. One observer. Total hours, 8 (5 on foot, 3 by car); total miles, 73 (5 on foot, 68 by car). Ruffed Grouse, 2; Hairy Woodpecker, 8; Downy Woodpecker, 2; Blue Jay, 3; Common Raven, 1; Black-capped Chickadee, 32; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 6; Brown Creeper, 1; Golden-crowned Kinglet, 8; Common Starling, 22; House Sparrow, 75; Common Redpoll, 30. **Total,** 13 species; about 193 individuals.—Earl Stark.

11. **Blenheim, Ont.** (same area as in former years).—Dec. 28; 8 a.m. to 5 p.m. Overcast, intermittent drizzle; temp. 35° to 38°; wind SW, 15 m.p.h.; Rondeau Bay and Lake Erie open. Ten observers in 4 parties. Total party-hours, 29 (20 on foot, 9 by car); total party-miles, 112 (27 on foot, 85 by car). Canada Goose, 36; Ring-necked Duck, 1; Canvas-back, 25; Lesser Scaup, 2; White-winged Scoter, 1; Am. Merganser, 2; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 19; Bald Eagle, 6; Marsh Hawk, 10; Ring-necked Pheasant, 1; Great Black-backed Gull, 8; Herring Gull, 1600; Ring-billed Gull, 4; Bonaparte's Gull, 4; Mourning Dove, 12; Screech Owl, 1; Long-eared Owl, 1; Hairy Woodpecker, 11; Downy Woodpecker, 6; Blue Jay, 10; Am. Crow, 23; Black-capped Chickadee, 61; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 4; Common Starling, 630; Myrtle Warbler, 1; House Sparrow, 1000; Red-winged Blackbird, 1; Cardinal, 8; Pine Siskin, 1; Am. Goldfinch, 1; Slate-colored Junco, 3; Am. Tree Sparrow, 49; Field Sparrow, 8; Swamp Sparrow, 6; Song Sparrow, 7. **Total,** 42 species; about 3584 individuals. (Red-headed Woodpecker, Carolina Wren seen during period.)—J. A. Begg, W. J. Carnahan, A. B. Colerick, H. English, Margo Griggs, R. J. McClanahan, Mollie Ussher, R. D. Ussher, J. Vladers, H. B. Wressell (compiler) (Kent Nature Club).

12. **Brockville, Ont.** (15-mile diameter circle centered on post office; includes part of St. Lawrence River; open water 20%, open farmland 50%, deciduous forest 20%, coniferous woodland 7%, marsh 2%, urban 1%. Area covered this year included that portion of the U. S. mainland which is in circle; in previous count this area was not covered).—Dec. 29; 8 a.m. to 4:30 p.m.; temp 30° to 38°; wind SW, 10-25 m.p.h.; operators of 2 small feeding stations were cooperators. Twenty-one observers in 9 parties. Total party-hours, 69 (42 on foot, 27 by car); total party-miles, 384 (58 on foot, 326 by car). Common Loon, 2; Greater Scaup, 35; Am. Golden-eye, 206; Am. Merganser, 30; Goshawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 24; European Partridge, 5; **Iceland Gull,** 3; Great Black-backed Gull, 9; Herring Gull, 132; Ring-billed Gull, 46; Horned Owl, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 6; Blue Jay, 65; Am. Crow, 1; Black-capped Chickadee, 137; White-breasted Nuthatch, 24; Brown Creeper, 4; **Eastern Bluebird,** 1; Golden-crowned Kinglet, 8; Gray Shrike, 2; Common Starling, 526; House Sparrow, 705; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Evening Grosbeak, 71; Pine Grosbeak, 17; Common Redpoll, 486; Am. Goldfinch, 58; Am. Tree Sparrow, 10; Song Sparrow, 1. **Total,** 36 species; about 2635 individuals. (Seen in area count period: Black Duck, Canvas-back, Bald Eagle, Arctic Woodpecker, Myrtle Warbler, Snow Bunting.)—J. Bayly (compiler), A. Bell, K. Buell, J. Cartwright, I. Clark, M. Edwards, M. Hewitt, D. Hurrie, Mrs. I. Jarvie, M. Jarvie, Mrs. H. Johnson, E. Johnston, W. Lamb, H. Lapp, N. Mansfield, W. Miller, R. Morrow, Mrs. H. Quilliam, G. Stirrett, A. Strong, D. Webb (Brockville Nature Club).

13. **Deep River, Ont.** (Des Joachims Dam to Headquarters, Petawawa Experimental Forest and

Ottawa River; White Spruce–fir–White Pine Forest 60%, Black Spruce–cedar swampland 15%, Jack Pine stands 10%, second-growth aspen 5%, cleared land 5%, river bank 5%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Overcast, light snow; temp. 20° to 30°; wind nil a.m., NW p.m., 5 m.p.h.; ground almost bare, lakes frozen, Ottawa River open. Six observers in 2-3 parties, 1 at feeders. Total party-hours, 45 (35 on foot, 10 by car); total party-miles, 120 (50 on foot, 70 by car). Black Duck, 2; Am. Merganser, 1; **Bald Eagle**, 1; Ruffed Grouse, 1; Herring Gull, 2; Hairy Woodpecker, 6; Downy Woodpecker, 2; Gray Jay, 5; Blue Jay, 3; Common Raven, 16; Black-capped Chickadee, 33; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 10; Brown Creeper, 1; **Myrtle Warbler**, 1 (present since Dec. 2); House Sparrow, 5; Pine Grosbeak, 8; Common Redpoll, 9; Pine Siskin, 1; Am. Goldfinch, 10. **Total**, 20 species; 119 individuals. (Seen count period: Snowy Owl, Common Starling, Snow Bunting.)—Harry Collins, Al Herriot, Paul Lewis, Mrs. Eleanor Mawson, Ivan Ophel (compiler), Bill Ward.

14. Guelph, Ont. (7½-mile radius centering on St. George's Square in Guelph, includes Guelph and 15-mile stretch of Speed River).—Dec. 29; 8:20 a.m. to 4:30 p.m. Mostly cloudy; temp. 20° to 30°; wind SW to NW, 15-25 m.p.h. Nine observers in 3 parties plus 2 observers at feeding-stations. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 47 (7 on foot, 40 by car). Ruffed Grouse, 3; Glaucous Gull, 3; Herring Gull, 210; Ring-billed Gull, 18; Hairy Woodpecker, 2; Downy Woodpecker, 3; Am. Crow, 1; Black-capped Chickadee, 35; White-breasted Nuthatch, 5; Gray Shrike, 1; Common Starling, 75; House Sparrow, 68; Cardinal, 1; Pine Grosbeak, 4; Am. Goldfinch, 9; Slate-colored Junco, 1; Am. Tree Sparrow, 6. **Total**, 17 species; about 445 individuals. (Seen count period: Great Blue Heron, Mallard, Black Duck, Am. Widgeon, Am. Merganser, Sparrow Hawk, Horned Owl, Belted Kingfisher, Pileated Woodpecker, Blue Jay, Pine Siskin, White-winged Crossbill.)—Mr. and Mrs. Carman Burton, Mr. and Mrs. Ralph Comfort, Alex Cringan (compiler), Antoon de Vos, Jacob Kalff, Grant Love, Stuart MacKay, Robert Mason, W. S. Steele.

15. Hamilton, Ont. (7½-mile radius centering on York and Dundurn Sts., including Hamilton, Burlington, Lake Medad, Dundas, Greensville, Ancaster, Mineral Springs, Southcote, Hannon and Stoney Creek; pasture 10%, plow land 20%, towns and suburbs 10%, orchards and old fields 15%, mixed woods 30%, marshes 5%, open water 10%).— Dec. 29; 7 a.m. to 10:30 p.m. Overcast; temp. 26° to 36°; wind SW, 10-17 m.p.h.; ground bare, Dundas Marsh and Hamilton Harbor open. Fifty-three observers in 24 parties. Total party-hours, 193 (184 on foot, 9 by car); total party-miles, 382 (234 on foot, 148 by car). Red-necked Grebe, 1; Horned Grebe, 5; Great Blue Heron, 3; Mallard, 187; Black Duck, 197; Am. Widgeon, 2; Redhead, 3; Canvasback, 12; Greater Scaup, 161; Lesser Scaup, 1; Am. Golden-eye, 179; Buffle-head, 21; Old-squaw, 491; White-winged Scoter, 3; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 2000; Red-breasted Merganser, 74; Red-tailed Hawk, 38; Red-shouldered Hawk, 1; Rough-legged Hawk, 9; Marsh Hawk, 2; Sparrow Hawk, 27; Ruffed Grouse, 9; European Partridge, 4; Ring-necked Pheasant, 54; Killdeer, 5; Glaucous Gull, 3; Iceland Gull (Kumlien's), 1; Great Black-backed Gull, 82; Herring Gull, 2500; Ring-billed Gull, 65; Mourning Dove, 3; Screech Owl, 4; Horned Owl, 11; Long-eared Owl, 30; Saw-whet Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 80; Downy Woodpecker, 130; Blue Jay, 167; Am. Crow, 542; Black-capped Chickadee, 622; White-breasted Nuthatch, 122; Red-breasted Nuthatch, 15; Brown Creeper, 31; Carolina Wren, 1; **Catbird**, 1 (I. H.); Am. Robin, 2; Golden-crowned Kinglet, 46; Cedar Waxwing, 12; Gray Shrike, 7; Common Starling, 7500; Myrtle Warbler, 1; House Sparrow, 1550; Purple Grackle, 6; Cardinal, 156; Evening Grosbeak, 2; Purple Finch, 34; Pine Grosbeak, 17; **Hoary Redpoll**, 1 (carefully identified—G. W. N.); Common Redpoll, 137; Pine Siskin, 130; Am. Goldfinch, 160; Slate-colored Junco, 287; Am. Tree Sparrow, 400; **Chipping Sparrow**, 1 (carefully identified); Field Sparrow, 3; White-throated Sparrow, 1; Swamp Sparrow, 14; Song Sparrow, 62; Snow Bunting, 3. **Total**, 75 species; about 18,452 individuals. (Seen in area count period: Goshawk, Pigeon Hawk, Winter Wren, Mockingbird, Eastern Meadowlark, Red Crossbill, White-winged Crossbill, Eastern Towhee, Oregon Junco.) [Exceptionally neat, well prepared report—Ed.]—Stuart Alexander, Mr. and Mrs. R. D. F. Bourne, Stella Brown, James Burns, William I. Campbell, Kenneth J. Cox, John Cumming, Robert Curry, James A. N. Dowall, Ian Halladay, Peter Hamel, Fred Helleiner, John Hencher, Robert Henry, Mr. and Mrs. William Holley, John Kennett, Margaret Lamb, Woodburn Lambe, Suzanne Lawrie, Thomson Lawrie, A. E. LeWarne, Mr. and Mrs. Robert H. Lloyd, Robert G. C. MacLaren, Harold MacPherson, George McBride, C. Douglas McCallum, George O. McMillan, John B. Miles, Dr. and Mrs. John Miller, Mrs. Carl Morden, James Morrow, John A. Moule, Mr. and Mrs. Albert B. Nind, Mrs. George W. North, George W. North (compiler), John Olmsted, David K. Powell, Robert K. Sargeant, Mr. and Mrs. Frank Schneider, Eunice Smillie, Robert Stamp, Danny Strickland, Ann Watson, Jane Watson, Mabel Watson, J. Harvey Williams, Robert Zavitz (Hamilton Nature Club).

16. Kingston, Ont. (7½-mile radius centering on Garden Island, including Cataraqui River and Creek, Lake Ontario, St. Lawrence River, Wolfe and adjacent islands; farmlands 40%, marshes 8%, water 24%, mixed woodlands 24%; 4%=?—Ed.).—Dec. 21; 7 a.m. to 4:30 p.m. Overcast all day, rain until 10 a.m.; temp. 40° to 45°; wind S to W, 15-40 m.p.h.; no snow, low areas flooded, water open. Eighteen observers in 8 parties. Total party-hours, 64

(33 on foot, 30 by car, 1 by boat); total party-miles, 368 (44 on foot, 320 by car, 4 by boat). Common Loon, 2; Horned Grebe, 26; Mallard, 22; Black Duck, 159; Am. Widgeon, 2; **Green-winged Teal, 1** (wounded, unable to fly); **Ring-necked Duck, 1**; Canvas-back, 283; Greater Scaup, 1862; Am. Golden-eye, 863; Buffle-head, 22; Am. Merganser, 399; Rough-legged Hawk, 8; Sparrow Hawk, 1; Ruffed Grouse, 6; European Partridge, 15; Glaucous Gull, 21 (B. F.); Iceland Gull, 3; Great Black-backed Gull, 64; Herring Gull, 498; Ring-billed Gull, 148; Bonaparte's Gull, 4; Horned Owl, 2; Snowy Owl, 2; Belted Kingfisher, 1; Hairy Woodpecker, 8; Downy Woodpecker, 10; Blue Jay, 61; Am. Crow, 104; Black-capped Chickadee, 171; White-breasted Nuthatch, 28; Brown Creeper, 3; Winter Wren, 1; **Carolina Wren, 1** (at feeder all autumn); Am. Robin, 2; Golden-crowned Kinglet, 1; Gray Shrike, 5; Common Starling, 1493; House Sparrow, 356; Eastern Meadowlark, 1; Evening Grosbeak, 14; Common Redpoll, 56; Am. Goldfinch, 2; Slate-colored Junco, 2; Am. Tree Sparrow, 77; **Field Sparrow, 3** (carefully identified); Song Sparrow, 5; Lapland Longspur, 100. **Total,** 48 species; about 6919 individuals.—Jim Bayly, Art Bell, John Cartwright (compiler), Dr. and Mrs. Ken Edwards, Martin Edwards, Art Hyde, Walter Lamb, Mary L'Estrange, Lou Lowther, Nora Mansfield, Mrs. Shirley Peruniak, Mrs. Helen Quilliam, Dr. and Mrs. George Stirrett, Alden Strong, Al Warren, Deirdre Webb (Kingston Nature Club).

17. **Kirkland Lake, Ont.** (7½-mile radius centering on Highway 112 one mile north of Dane; fields 20%, town 5%, coniferous woods 30%, deciduous woods 35%, slimes 5%, cattail marsh 5%, 5 feeding stations).—Dec. 22; 5:30 a.m. to 6 p.m. Overcast; temp. 24° to 32°; wind SW, 15 m.p.h.; 4-in. snow in open, 6-in. in bush, lakes frozen, streams mostly open. Sixteen observers in 8 parties. Total party-hours, 25 (19 on foot, 6 by car); total party-miles, 138 (27 on foot, 111 by car). Ruffed Grouse, 5; Horned Owl, 3; Hairy Woodpecker, 11; Gray Jay, 17; Blue Jay, 10; Common Raven, 7; Black-capped Chickadee, 98; Brown-capped Chickadee, 11; Red-breasted Nuthatch, 4; Gray Shrike, 1; Common Starling, 8; Evening Grosbeak, 2; Pine Grosbeak, 15; Common Redpoll, 4; White-throated Sparrow, 1 (regular at feeder); Snow Bunting, 12. **Total,** 16 species; 209 individuals.—Mrs. K. W. Bennett, F. M. Helleiner, J. H. Hodgins, M. Johnson, Ralph Karlson, Ruth Karlson, R. J. McClanahan (compiler), P. W. Richter, I. Robertson, Mrs. W. S. Savage, Mrs. J. G. Stephenson, J. G. Stephenson, A. L. Stewart, Mrs. G. Timmins, G. Timmins, Jr., Mrs. R. Walker, F. Washington (Kirkland Lake Nature Club).

18. **London, Ont.** (area within 7½-mile radius, London to Delaware; river and gullies 50%, farmland 20%, roadsides 15%, woodlots 5%, swamp 10%).—Dec. 28; 8 a.m. to 4:30 p.m. Snow and rain; temp. 33° to 37°; wind S to SW, 12-14 m.p.h.; river and ponds open, ground bare. Thirty-four observers in 14 parties. Total party-hours, 130 (113 on foot, 17 by car); total party-miles, 190 (79 on foot, 111 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 51; Black Duck, 534; Lesser Scaup, 1; Am. Golden-eye, 65; Am. Merganser, 85; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 41; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Bobwhite, 20; Ring-necked Pheasant, 11; Herring Gull, 287; Ring-billed Gull, 2; Mourning Dove, 6; Screech Owl, 1; Horned Owl, 3; Long-eared Owl, 2; Short-eared Owl, 12; Belted Kingfisher, 8; Red-bellied Woodpecker, 2; Hairy Woodpecker, 47; Downy Woodpecker, 90; Blue Jay, 81; Am. Crow, 11; Black-capped Chickadee, 244; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 25; Brown Creeper, 14; Winter Wren, 9; Carolina Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 48; Ruby-crowned Kinglet, 1; Gray Shrike, 4; Common Starling, 357; House Sparrow, 1773; Eastern Meadowlark, 1; Cardinal, 201; Evening Grosbeak, 10; Purple Finch, 16; Common Redpoll, 36; Pine Siskin, 1; Am. Goldfinch, 139; Slate-colored Junco, 108; Am. Tree Sparrow, 129; Field Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 7; Snow Bunting, 1. **Total,** 55 species; about 4552 individuals. (Seen count period: Horned Lark, Myrtle Warbler, White-winged Crossbill.)—G. W. A. Aitken, Lynn Ball, D. Carr, Dr. and Mrs. C. Cline, Mrs. Gordon Cummings, Eli Davis, Mr. and Mrs. Walter Day, Vern Franks, Mr. and Mrs. William Girling, Mr. and Mrs. J. C. Higgins, Dr. Hobbs, Brandon Hobbs, Carolyn Hobbs, Howard Keast, J. C. Laughton, Mr. and Mrs. Howard Leach, James William Leach (compiler), Paul Mackenzie, Charles Maddeford, Ted Maddeford, William Maddeford, Peter Middleton, G. Muller, Harold Nugent, Walter Parsons, Glenn Pincombe, Mrs. Spruce, D. W. Sutton, Alan Westbrook.

19. **Pickering Township, Ont.** (same area as last year; 15 acres of mixed woodland plus 3 miles of country roads with fields 50%, mixed woodland 50%, including 3 feeding stations).—Dec. 28; 7:30 a.m. to 5:05 p.m. Mostly overcast; temp. 32° to 35°; wind variable, becoming W, 15 m.p.h.; ground clear, creek running, ponds with some ice. Two observers in 1 party. Total party-hours, 9½ (4½ on foot, 1 by car, 4 at feeding station); total party-miles, 7 (4 on foot, 3 by car). Herring Gull, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 3; Black-capped Chickadee, 26; White-breasted Nuthatch, 5; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 3; House Sparrow, 37; Cardinal, 8; Am. Goldfinch, 100; Slate-colored Junco, 8; **Oregon Junco, 1**; Am. Tree Sparrow, 12; **Total,** 15 species; about 214 individuals.—Doris H. Speirs (compiler), J. Murray Speirs.

20. **Port Arthur–Fort William, Ont.** (same area as previous counts; lake 8%, peat and muck bogs 12%, residential and industrial areas 12%, farmlands 25%, woodlands of mainly second-growth

aspen, birch, pine 43%).—Dec. 28; 8:30 a.m. to 5 p.m. Cloudy; temp. 16° to -5°; wind NW, 10-24 m.p.h.; 6-in. snow, waters frozen except off-shore Lake Superior. Nine observers in 7 parties. Total party-hours, 35 (12 on foot, 23 by car); total party-miles, 297 (13 on foot, 284 by car). Am. Golden-eye, **170**; European Partridge, 3; Herring Gull, 140; Snowy Owl, 2; Hairy Woodpecker, 5; Downy Woodpecker, 8; Gray Jay, 6; Blue Jay, 12; Common Raven, 134; Am. Crow, 2; Black-capped Chickadee, 47; Brown-capped Chickadee, 3; Gray Shrike, 1; Common Starling, 298; House Sparrow, 2168; Evening Grosbeak, 21; Pine Grosbeak, 48; Common Redpoll, **248**. **Total,** 18 species; about 3316 individuals. (Goshawk, Rough-legged Hawk, Sharp-tailed Grouse, Pine Siskin seen count period.) —Dr. and Mrs. A. E. Allin, K. Denis (compiler), C. E. Garton, Mrs. M. Knowles, R. Robb, S. Robb, Marion Smith, J. Thompson (Thunder Bay Field Naturalists' Club).

21. St. Thomas, Ont. (same area as last year).—Dec. 26; 7:30 a.m. to 5:30 p.m. Overcast, clearing p.m.; temp. 35° to 40°; wind SW to W, 15 m.p.h.; ground bare, streams swollen and free from ice, Lake Erie clear of ice. Twenty-five observers in 9 parties. Total party-hours, 78 (65 on foot, 13 by car); total party-miles, 205 (50 on foot, 155 by car). Great Blue Heron, 1; Canada Goose, 591; Mallard, 36; Black Duck, 36; Redhead, 1; Canvas-back, 1; Am. Golden-eye, 37; Am. Merganser, 9; Red-breasted Merganser, 11; Cooper's Hawk, 3; Red-tailed Hawk, 34; Red-shouldered Hawk, 2; Rough-legged Hawk, 9; Bald Eagle, 2; Marsh Hawk, 7; Sparrow Hawk, 5; Ruffed Grouse, 4; Ring-necked Pheasant, 6; **Iceland Gull, 1**; Great Black-backed Gull, **6**; Herring Gull, 513; Ring-billed Gull, 75; Bonaparte's Gull, **216**; Mourning Dove, 86; Screech Owl, 3; Long-eared Owl, 16; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 25; Downy Woodpecker, 87; Horned Lark, 6; Blue Jay, 36; Am. Crow, 7; Black-capped Chickadee, 244; White-breasted Nuthatch, 35; Red-breasted Nuthatch, 12; Brown Creeper, 12; Winter Wren, 1; Carolina Wren, 4; **Mockingbird, 1** (regular at feeder); **Eastern Bluebird, 2**; Golden-crowned Kinglet, 18; **Ruby-crowned Kinglet, 1**; Gray Shrike, 6; Common Starling, 750; House Sparrow, 587; Brown-headed Cowbird, **50**; Cardinal, 174; Common Redpoll, 2; Pine Siskin, 57; Am. Goldfinch, 65; Eastern Towhee, 1; **Vesper Sparrow, 1** (V. S.); Slate-colored Junco, 282; Oregon Junco, **4**; Am. Tree Sparrow, 312; Field Sparrow, **49**; Swamp Sparrow, 7; Song Sparrow, 19. **Total,** 60 species; about 4574 individuals. (In area count period: Sharp-shinned Hawk, Am. Robin, Cedar Waxwing, Evening Grosbeak, Purple Finch, White-throated Sparrow.)—L. Auckland, B. Barnard, J. Butcher, S. Campbell, D. Dow, J. Field, M. Field (compiler), E. Kennedy, J. Lemon, F. Lewis, C. Marr, R. Marr, B. McDonald, L. Parrack, A. Pell, K. Reynolds, J. Ronald, L. Sanders, V. Smith, D. Steele, G. Thorman, M. Thorman, D. Till, R. Wimbush (St. Thomas Field Naturalists' Club).

22. Sarnia, Ont. (7½-mile radius centering on River and Lake Shore Roads; pasture 10%, plowland 20%, lake shore 15%, river 10%, conifers 10%, marsh 15%, orchards and farm lots 20%).—Dec. 27; 9 a.m. to 5:15 p.m. Clear; temp 32° to 40°; wind SW, 15 m.p.h. Five observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 80 (20 on foot, 60 by car). Common Loon, 1; Pied-billed Grebe, 4; Black Duck, 20; Canvas-back, 75; Lesser Scaup, 4; Am. Golden-eye, 175; Bufflehead, 1; Old-squaw, 4; Am. Merganser, 1000; Red-breasted Merganser, 200; Red-tailed Hawk, 1; Rough-legged Hawk, 15; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 7; Ring-necked Pheasant, 2; Herring Gull, 325; Hairy Woodpecker, 1; Blue Jay, 5; Am. Crow, 18; Black-capped Chickadee, 6; White-breasted Nuthatch, 2; Common Starling, 150; House Sparrow, 500; Cardinal, 2; Am. Goldfinch, 15; Am. Tree Sparrow, 15. **Total,** 27 species; about 2551 individuals.—Angus Buchanan (compiler), David H. Johnston, David Phelps, Arthur T. Storey, Trevor K. Storey.

23. Sault Ste. Marie, Ont.–Mich. (15-mile diameter as last year).—Dec. 28; 8 a.m. to 5 p.m.; temp. 30° to 20°; wind NW, 15-25 m.p.h.; 7½-in. fresh snow. Twenty-nine observers in 5+ parties. Total party-hours, 31 (15 on foot, 16 by car); total party-miles, 70 (5 on foot, 65 by car). Mallard, 18; Black Duck, 18; **Blue-winged Teal, 12**; Am. Golden-eye, 24; Am. Merganser, 1; Golden Eagle, 1; Bald Eagle, 1; Ruffed Grouse, 2; Herring Gull, 28; Ring-billed Gull, 1; Gray Jay, 2; Blue Jay, 14; Am. Crow, 5; Black-capped Chickadee, 52; White-breasted Nuthatch, 2; Bohemian Waxwing, 33; Gray Shrike, 1; Common Starling, 263; House Sparrow, 50; Brewer's Blackbird, 3; Evening Grosbeak, 33; Pine Grosbeak, 39; Am. Tree Sparrow, 50; Snow Bunting, 231. **Total,** 24 species; about 884 individuals. (Seen official period: Snowy Owl, Common Raven, Am. Goldfinch.)—N. C. Christenson, W. Cole, M. Day, R. Dennison, G. T. Harvey (compiler), Mrs. S. Haughton, B. Jeffrey, J. H. Jenkinson, R. MacBain, D. S. McPhail, J. D. McPhail, Helen Nattress, Mrs. W. Rollo, Mrs. C. N. Stough, Mrs. A. Sylvestre.

24. West Elgin, Ont. (area within 7½-mile radius, centered 1 mile north of West Lorne; tilled farmland 9%, pastures 8%, river and creek gullies 30%, deciduous woods 20%, conifer groves 2%, lake shore 30%, feeding station 1%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Overcast; temp. 34° to 28°; wind SW, 10-25 m.p.h.; no snow on ground, all water open. Eleven observers in 3 parties. Total party-hours, 28 (14 on foot, 14 by car); total party-miles, 166 (20 on foot, 146 by car). Am. Golden-eye, 333; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 26; Red-shouldered Hawk, 1; Rough-legged Hawk, 18; Marsh Hawk, 32; Sparrow Hawk, 5; Ruffed Grouse, 4; Bob-white, 32; Ring-necked Pheasant, 6; Herring Gull, 143; Ring-billed Gull, 36; Bonaparte's Gull, 1; Mourning Dove, 39; Screech Owl, 2; Horned Owl,

2; Short-eared Owl, 21; Belted Kingfisher, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 33; Horned Lark, 33; Blue Jay, 7; Am. Crow, 2; Black-capped Chickadee, 108; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 7; Brown Creeper, 14; Am. Robin, 1; Golden-crowned Kinglet, 9; Gray Shrike, 2; Common Starling, 174; House Sparrow, 376; Eastern Meadowlark, 12; Red-winged Blackbird, 1; Brown-headed Cowbird, 3; Cardinal, 105; Am. Goldfinch, 3; Slate-colored Junco, 56; Am. Tree Sparrow, 168; Song Sparrow, 6. **Total,** 43 species; about 1855 individuals. (Seen count period: Yellow-shafted Flicker, Mockingbird, Evening Grosbeak.)—Edwin Graff, Florence Graff, Robert Hopper, Donald Johnson, James Lemon, V. E. Lemon, Dougald Murray (compiler), David Robinson (West Elgin Nature Club).

25. Westport, Ont. (7½-mile radius centering on village municipal office; farmland 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, Red Cedar groves 2%).—Dec. 28; 8 a.m. to 4 p.m. Overcast, clear at 10 a.m.; temp. 30° to 35°; wind E, 10-15 m.p.h.; ground bare, lakes open. Twelve observers in 5 parties. Total party-hours, 38 (18 on foot, 20 by car); total party-miles, 257 (29 on foot, 228 by car). Common Loon, 2; Black Duck, 6; Am. Golden-eye, 76; Am. Merganser, 438; Cooper's Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 3; Peregrine Falcon, 1; Ruffed Grouse, 13; Herring Gull, 61; Ring-billed Gull, 81; Pileated Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 4; Blue Jay, 41; Black-capped Chickadee, 193; White-breasted Nuthatch, 14; Brown Creeper, 1; Golden-crowned Kinglet, 1; Gray Shrike, 5; Common Starling, 20; House Sparrow, 123; Pine Grosbeak, 9; Common Redpoll, 423; Pine Siskin, 11; Am. Goldfinch, 4; Am. Tree Sparrow, 3. **Total,** 27 species; about 1547 individuals.—J. C. Bayly, A. Bell, D. Crawford, R. Dudley, I. Jarvie, M. Jarvie, J. MacIntyre, N. Mansfield, W. Miller, G. M. Stirrett, A. M. Strong (compiler), D. Webb.

26. Cranberry Portage, Man. (count taken within a 3 mile radius of Cranberry Portage, 60 miles north of Le Pas).—Dec, 29; 8:30 a.m. to 1:30 p.m.; temp. **-40° to -46°**. One observer. Total hours, 5; total miles, 6 (6 on foot). Willow Ptarmigan, 3; Gray Jay, 3; Am. Magpie, 16; Common Raven, 22; Black-capped Chickadee, 1; House Sparrow, 12; Pine Grosbeak, 17; Common Redpoll, 81. **Total,** 8 species; 155 individuals.—Ralph McCleary.

27. Carlton, Sask. (same area as last year).—Dec. 29; 7:30 a.m. to 5 p.m. Mostly overcast; temp. **-34°** to **-25°**; wind E and NE, 15 m.p.h.; 6-in. snow on ground. Six observers in 2 parties. Total party-hours, 14½ (1½ on foot, 13 by car); total party-miles, 69 (2 on foot, 67 by car). **Pigeon Hawk, 1** (pursuing flock of Snow Buntings); Ruffed Grouse, 5; Sharp-tailed Grouse, 18; European Partridge, 16; Snowy Owl, 1; Hairy Woodpecker, 1; Gray Jay, 1; Am. Magpie, 19; Black-capped Chickadee, 10; Common Starling, 5; House Sparrow, 168; Evening Grosbeak, 22; Pine Grosbeak, 19; Common Redpoll, 151; Snow Bunting, 251. **Total,** 15 species; about 688 individuals. [Both counts submitted by Dr. and Mrs. Houston exceptionally neat, carefully prepared and well-documented—ED.]—Margaret Belcher (Regina Natural History Society); R. M. Bremner, Jonathan Gerrard, J. Frank Roy (Saskatoon Natural History Society); Dr. and Mrs. Stuart Houston (compilers) (Yorkton Natural History Society).

28. Regina, Sask. (7½-mile radius centering 3 miles north of Regina; prairie farmland 90%, woodland 5%, city and suburbs 5%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear, fog over water; temp. -18° to -10°; wind ESE, 8-20 m.p.h.; open water at power house, very light snow on ground. Nine observers in 4 parties. Total party-hours, 62 (18 on foot, 44 by car); total party-miles, 199 (27 on foot, 172 by car). Mute Swan, 3; Whistling Swan, 1; Canada Goose, 90; Mallard, 300; Pintail, 2; Canvas-back, 1; Lesser Scaup, 11; Am. Golden-eye, 1; Ruddy Duck, 1; Sharp-tailed Grouse, 11; European Partridge, 25; Horned Owl, 1; Snowy Owl, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Am. Magpie, 48; Am. Crow, 2; Black-capped Chickadee, 39; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 1; Bohemian Waxwing, 70; Gray Shrike, 1; House Sparrow, 575+; Common Redpoll, 133; Snow Bunting, 430+. **Total,** 25 species; more than 1753 individuals. (Seen count week: Am. Widgeon, **Blue-winged Teal,** Redhead, Prairie Falcon, Am. Coot, Brown Thrasher, Horned Lark, Common Starling, meadowlark.)—F. Brazier, E. Cruickshank, E. L. Fox (compiler), R. C. E. Fox, D. Gilroy, G. Ledingham, R. W. Nero, D. Poudrier, J. Rood.

29. Yorkton, Sask. (7½-mile radius centering on Yorkton).—Dec. 26; 8 a.m. to 5:30 p.m. Overcast; temp. 19° to 23°; wind SE, 30 m.p.h.; 6-in. snow on ground. Ten observers in 6 parties. Total party-hours, 28 (8 on foot, 20 by car); total party-miles, 122 (12 on foot, 110 by car). Ruffed Grouse, 1; Sharp-tailed Grouse, 18; European Partridge, 36; Horned Owl, 2; Downy Woodpecker, 2; Blue Jay, 2; Am. Magpie, 28; Black-capped Chickadee, 9; Bohemian Waxwing, 41; Common Starling, 4; House Sparrow, 219; Pine Grosbeak, 25; Hoary Redpoll, 2; Common Redpoll, 231; Snow Bunting, 274. **Total,** 15 species; about 894 individuals. (In area count period: Snowy Owl, Hairy Woodpecker.)—Brother Joseph, Henry Chillman, Jr., Art Gellert, Billy Horseman, Dr. and Mrs. Stuart Houston (compilers), Preston McDonald, Bob Pearce, Wayne Pearce, Cliff Shaw.

30. Calgary, Alta. (7½-mile radius centering on Centre Street Bridge and Bow River, including Inglewood Bird Sanctuary, Bowness Park, Glenmore Reservoir, sections Bow and Elbow Rivers, Roxborough and Rideau city parks; prairie farmland 30%, river banks 20%, bird sanctuary, city parks 20%, deciduous woods 20%, coniferous woods 10%).—Dec. 22; 8 a.m. to 5 p.m. Mostly sunny; temp. 1°

to 38°; wind SSW, 18 m.p.h.; ground bare, prairie sloughs and Glenmore Reservoir frozen, ponds in Inglewood Sanctuary ice-free, Bow and Elbow Rivers open. Eight observers in 4 parties. Total party-hours, 24 (12 on foot, 12 by car); total party-miles, 188 (11 on foot, 177 by car). Mallard, 2203; **Green-winged Teal,** 1; Redhead, 1; Canvas-back, 1; Am. Golden-eye, 128; Barrow's Golden-eye, 1; Am. Merganser, 8; Goshawk, 1; Prairie Falcon, 2; Ruffed Grouse, 2; European Partridge, 20; Ring-necked Pheasant, 11; **Killdeer,** 1; Snowy Owl, 9; **Belted Kingfisher,** 1; Am. Magpie, 92; Black-capped Chickadee, 21; Brown Creeper, 1; Bohemian Waxwing, 13; Common Starling, 1; House Sparrow, 274; Pine Grosbeak, 6; Common Redpoll, 37. **Total,** 23 species; about 2835 individuals. (Seen count period: Mountain Chickadee, Brown-capped Chickadee, Red-breasted Nuthatch, Golden-crowned Kinglet, Gray Shrike.)—C. J. Barnhardt, E. D. Beacham (compiler), J. Beacham, E. Cheney, J. Clarke, M. J. Cope, W. E. MacKay, N. Winnick (Calgary Bird Club).

31. **Edmonton, Alta.** (7½-mile radius centering on airport).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. −2° to −4°; wind SSE, 5 m.p.h. Twenty-six observers in 10 parties. Total party-hours, 34 (26 on foot, 8 by car); total party-miles, 120 (20 on foot, 100 by car). Mallard, 63; Pintail, 2; Am. Golden-eye, 9; Am. Merganser, 1; Rough-legged Hawk, 1; **Pigeon Hawk,** 1; Ruffed Grouse, 3; Sharp-tailed Grouse, 2; European Partridge, 26; Ring-necked Pheasant, 42; Snowy Owl, 1; **Richardson's Owl,** 1; Hairy Woodpecker, 6; Downy Woodpecker, 6; Blue Jay, 16; Am. Magpie, 148; Black-capped Chickadee, 129; Brown-capped Chickadee, 4; Brown Creeper, 1; Bohemian Waxwing, 628; Common Starling, 6; House Sparrow, 332; Pine Grosbeak, 56; Common Redpoll, 60. **Total,** 24 species; about 1544 individuals.—A. Allan, K. Ball (compiler), A. Blades, E. Blades, H. Campbell, S. Campbell, M. Forge, C. Hampson, M. Hampson, H. Habgood, J. Hawkins, R. Heath, O. Höhn, E. Jones, N. Krevosheia, R. Lister, I. MacDonald, S. MacDonald, H. MacGregor, J. McIntyre, A. McPhalen, D. Milner, H. Pegg, P. Thompson, R. Turner, J. Williams.

32. **Ladner, B. C.** (7½-mile radius centering at intersection on Goudy Rd. 1¾ miles south of Ladner Trunk Rd., including peninsula of Point Roberts, Wash., municipality of Delta, shores of Georgia Strait and Boundary Bay; salt water 40%, dyked farmland 20%, peat bog 15%, marshes and shores 15%, upland conifer 5%, surburban 5%).—Dec. 29; 7:40 a.m. to 4:55 p.m. Showers a.m., clear p.m.; temp. 44° to 47°; wind S to SW, 20-10 m.p.h.; ground bare and unfrozen, all waters open. One observer. Total hours, 9¼ (6¼ on foot, 3 by car); total miles, 52 (15 on foot, 37 by car). Common Loon, 10; Arctic Loon, 11; Red-necked Grebe, 1; Horned Grebe, 8; Western Grebe, 36; Pelagic Cormorant, 3; Great Blue Heron, 3; Mallard, 3; Am. Widgeon, 6; Pintail, 1; Shoveller, 1; Greater Scaup, 19; Am. Golden-eye, 34; Buffle-head, 17; White-winged Scoter, 5; Surf Scoter, 132; Am. Scoter, 2; Red-breasted Merganser, 9; Killdeer, 44; Black Turnstone, 20; Sanderling, 62; Glaucous-winged Gull, 760; Herring Gull, 8; California Gull, 1; Short-billed Gull, 355; Bonaparte's Gull, 10; Common Murre, 160; Pigeon Guillemot, 4; Marbled Murrelet, 90; Red-shafted Flicker, 3; Black-capped Chickadee, 9; Chestnut-backed Chickadee, 9; Winter Wren, 9; Bewick's Wren, 5; Am. Robin, 20; Varied Thrush, 9; Golden-crowned Kinglet, 30; Common Starling, 400; House Sparrow, 79; Western Meadowlark, 21; Red-winged Blackbird, 102; Brewer's Blackbird, 1500; House Finch, 45; Pine Siskin, 134; Spotted Towhee, 11; Slate-colored Junco, 1; Oregon Junco, 67; **Golden-crowned Sparrow,** 2; Fox Sparrow, 1; Song Sparrow, 73. **Total,** 50 species; about 4345 individuals.—A. J. Erskine.

33. **Vancouver, B. C.** (7½-mile radius centering at Broadway West and Granville St., including cities of Vancouver, North Vancouver, parts of West Vancouver, Burnaby, Richmond, Burrard Inlet, N. Arm Fraser River; salt water 30%, shores 3%, marshes 3%, open fields 10%, built-up areas 40%, city parks 7%, coniferous forest 7%).—Dec. 26; 7:45 a.m. to 5 p.m. Clear, cloud increasing p.m.; temp. 42° to 47°; wind W, 15-2 m.p.h.; ground unfrozen, waters open, season distinctly mild. Thirty-seven observers in 13 parties. Total party-hours, 92 (67 on foot, 25 by car); total party-miles, 87 (43 on foot, 44 by car). Common Loon, 14; Arctic Loon, 55; Red-throated Loon, 16; Red-necked Grebe, 24; Horned Grebe, **179;** Eared Grebe, 27; Western Grebe, 491; Pied-billed Grebe, 2; Double-crested Cormorant, 70; Pelagic Cormorant, 62; Great Blue Heron, 39; Canada Goose, 31; Mallard, 706; Am. Widgeon, 270; Pintail, 238; Green-winged Teal, 7; Shoveller, 15; Wood Duck, 14; Canvas-back, 4; Greater Scaup, 2942; Lesser Scaup, 5; Am. Golden-eye, 271; Barrow's Golden-eye, 637 (number not unusual); Buffle-head, 178; Old-squaw, 16; Harelquin Duck, 13; White-winged Scoter, 295; Surf Scoter, 1196; Am. Scoter, 188; Ruddy Duck, 42; Hooded Merganser, 19; Am. Merganser, 5; Red-breasted Merganser, 390; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 6; Bald Eagle, 7; Marsh Hawk, 10; Peregrine Falcon, 3; Sparrow Hawk, 3; Ring-necked Pheasant, 64; Am. Coot, 391; Killdeer, 191; Black Turnstone, 131; Wilson's Snipe, 17; Red-backed Sandpiper, 1931+; Sanderling, 397; Glaucous-winged Gull, 15,231+; Herring Gull, 370; Short-billed Gull, 5380+; Bonaparte's Gull, 380; Common Murre, 47; Pigeon Guillemot, 36; Marbled Murrelet, 91; Ancient Murrelet, 2; Short-eared Owl, 13; Belted Kingfisher, 17; Red-shafted Flicker, 291; Pileated Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 7; Steller's Jay, 41; Common Raven, 7; Northwestern Crow, 480; Black-capped Chickadee, 391; Chestnut-backed Chickadee, 211; Red-breasted Nuthatch, 18; Brown Creeper, 12; Winter Wren, 31; Bewick's Wren, 17; **Long-billed Marsh Wren,** 3; Am. Robin, 3911+; Varied Thrush, 231; Golden-crowned Kinglet, 247; Ruby-crowned Kinglet, 193; Bohemian

Waxwing, 42; Cedar Waxwing, 648; Gray Shrike, 12; Common Starling, **14,653**; Crested Mynah, 71; (introduced); **Orange-crowned Warbler, 2** (1 each by 2 widely separated parties); House Sparrow, 580; Western Meadowlark, 49; Red-winged Blackbird, 161; Brewer's Blackbird, 1120+; Evening Grosbeak, 411; Purple Finch, 632; House Finch, 296; **Common Redpoll, 5** (regular at S. F. B. banding station); Pine Siskin, **1122+**; Spotted Towhee, 71; Slate-colored Junco, 14; Oregon Junco, 683; White-crowned Sparrow, 154; Golden-crowned Sparrow, 87; Fox Sparrow, 14; **Lincoln's Sparrow, 2** (regular at S. F. B. banding station); Song Sparrow, 492. **Total,** 99 species; more than 60,605 individuals. (**Rhinoceros Auklet** picked up alive Dec. 25 now in Stanley Park Zoo.)—Mrs. S. F. Bradley, A. J. Erskine, William M. Hughes (compiler), Verna Newson (Vancouver Natural History Society and friends).

34. **Cohoe, Alaska** (count area included areas of tall evergreen trees, swamp flats, a field, 3 miles along shore of Cook Inlet, light woods).—Dec. 28; 10:30 a.m. to 3 p.m. Partly cloudy; temp. 6° to 8°; no wind; 6-in. snow on ground, trees covered with rime and snow, miniature icebergs in Cook Inlet. Two observers in 1 party. Total party-hours, 4½ (4 on foot, ½ by car); total party-miles, 13 (5 on foot, 8 by car). **Goshawk, 1**; **Red-tailed Hawk,** 1; Three-toed Woodpecker, 3; Common Raven, 3; Brown-capped Chickadee, 8; **Golden-crowned Kinglet,** 3; Hoary Redpoll, 2. **Total,** 7 species; 21 individuals. (Seen count period: Spruce Grouse, Willow Ptarmigan, Gray Jay, Am. Magpie, Brown Creeper, Pine Grosbeak.)—Eugene D. Smith, Mary A. Smith (compiler).

35. **Pemaquid–Damariscotta Region, Me.** (15-mile diameter circle; Pemaquid Point to Damariscotta Mills, Pemaquid Point to Webber's Pond and Muscongus Harbor, cross roads to Damariscotta Mills and Damariscotta River shore; rocky shore 40%, salt bays 15%, meadows and marshes 20%, coniferous woodlands 23%, 5 feeding stations 2%).—Dec. 28; 6:15 a.m. to 4:15 p.m. Partly cloudy; temp. 26° to 40°; wind NW to SW, 5-15 m.p.h.; ground bare, bits of skim ice in some fresh-water coves. Four observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 57 (5 on foot, 52 by car). Common Loon, 22; Red-throated Loon, 1; Red-necked Grebe, 17; Horned Grebe, 165; Gannet, 20; European Cormorant, 5; Black Duck, 85; Am. Golden-eye, 110; Buffle-head, 17; Old-squaw, 62; **Harlequin Duck, 1**; Common Eider, 18; White-winged Scoter, 12; Am. Scoter, 1; **Ruddy Duck, 1**; Hooded Merganser, 12; Am. Merganser, 22; Red-breasted Merganser, 18; Ruffed Grouse, 13; Great Black-backed Gull, 12; Herring Gull, 206; Black-legged Kittiwake, 40; Razor-billed Auk, 1; Black Guillemot, 12; Belted Kingfisher, 2; **Red-headed Woodpecker,** 1 (present since Nov.); Downy Woodpecker, 2; **Gray Jay, 1** (reports for this species all fall); Blue Jay, 23; Common Raven, 1; Am. Crow, 36; Black-capped Chickadee, 23; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 6; Golden-crowned Kinglet, 2; Common Starling, 27; House Sparrow, 30; Brown-headed Cowbird, **100**; Evening Grosbeak, 30; Pine Grosbeak, 12; Common Redpoll, 16; Am. Goldfinch, 16; Slate-colored Junco, 3; Am. Tree Sparrow, 9. **Total,** 44 species; about 1219 individuals. (Seen in area census period: Dovekie, Pileated Woodpecker, Hairy Woodpecker, Am. Robin, Song Sparrow.)—Marguerite E. Buxton, Robert B. Buxton (compiler), Hilda F. Libby, Mark L. Libby.

36. **Mount Desert Island, Me.** (same area, including Acadia National Park, since 1933; coverage as in past 2 years).—Dec. 28; 6:45 a.m. to 4:30 p.m. Mostly clear; temp. 25° to 38°; wind NW, 1-8 m.p.h.; ground bare, ice on pond edges. Fourteen observers in 9 parties. Total party-hours, 42 (23 on foot, 19 by car); total party-miles, 266 (15 on foot, 251 by car). Common Loon, 20; Red-throated Loon, 2; Red-necked Grebe, 9; Horned Grebe, 241; European Cormorant, 61; Black Duck, 127; Greater Scaup, 2; Am. Golden-eye, 180; Buffle-head, 417; Old-squaw, 233; Common Eider, 600; White-winged Scoter, 399; Surf Scoter, 9; Am. Scoter, 35; Am. Merganser, 3; Red-breasted Merganser, 22; Red-tailed Hawk, 1; **Red-shouldered Hawk, 1** (W. G.); Bald Eagle, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 1; Purple Sandpiper, 200; Great Black-backed Gull, 57; Herring Gull, 810; **Ring-billed Gull, 4**; **Razor-billed Auk, 1**; Black Guillemot, 10; Belted Kingfisher, 1; Hairy Woodpecker, 11; Downy Woodpecker, 17; Blue Jay, 30; Common Raven, 16; Am. Crow, 108; Black-capped Chickadee, 161; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 20; Brown Creeper, 3; **Carolina Wren, 2** (at feeder all Dec.); Am. Robin, 5; Golden-crowned Kinglet, 2; Common Starling, 206; **Pine Warbler, 1** (at feeder all week); **Yellow-breasted Chat,** 1; House Sparrow, 42; **Rusty Blackbird, 1** (C. C. L.); Brown-headed Cowbird, 58; **Dickcissel, 1** (present all month); Evening Grosbeak, 7; Purple Finch, 4; Pine Grosbeak, 72; Common Redpoll, 6; Am. Goldfinch, 5; crossbill (sp), 10; **Eastern Towhee,** 1; Slate-colored Junco, 12; Am. Tree Sparrow, 23; White-throated Sparrow, 3; Fox Sparrow, 2; Song Sparrow, 3. **Total,** 59 species; about 4294 individuals. (Seen count period: Mourning Dove, Gray Shrike.)—J. Franklin Anthony, Jr., Paul G. Favour, Jr. (compiler), Walter Flagg, Wendell Gilley, C. C. Little, Mrs. Horace Mann, Mr. and Mrs. Donald McPheters, Mr. and Mrs. Robert Patterson, Mrs. Donald Peters, Mr. and Mrs. Henry Rivers, Gladys Whitmore (Acadia National Park and Mount Desert Island Bird Club).

37. **Webster Corner, Me.** (7½-mile radius centering on Webster Corner, essentially same area since 1952).—Dec. 26; 3 a.m. to 5 p.m. Overcast, rain late p.m.; temp. 21° to 48°; wind SE, 2-40 m.p.h.; no snow, Androscoggin River and Lake Auburn open, other water partially frozen. Five observers in 4 parties. Total party-hours, 47 (37 on foot, 10 by car); total party-miles, 200 (35 on

foot, 165 by car). Common Loon, 5; Horned Grebe, 17; **Pied-billed Grebe, 1**; Greater Scaup, 4; Am. Golden-eye, 22; Buffle-head, 4; Am. Merganser, 6; Goshawk, 1; Sharp-shinned Hawk, 2; Ruffed Grouse, 7; Ring-necked Pheasant, 7; Great Black-backed Gull, 4; Herring Gull, 1200; Horned Owl, 1; Pileated Woodpecker, 2; **Red-headed Woodpecker, 1** (at feeder since Dec. 10); Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 8; **Gray Jay, 1** (carefully identified); Blue Jay, 28; Am. Crow, 11; Black-capped Chickadee, 229; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 5; Brown Creeper, 5; Am. Robin, 1; Golden-crowned Kinglet, 2; Gray Shrike, 2; Common Starling, 50; House Sparrow, 10; Brown-headed Cowbird, 3; Evening Grosbeak, 91; Pine Grosbeak, 26; Common Redpoll, 54; Pine Siskin, 9; Am. Goldfinch, 80; White-winged Crossbill, 2; Slate-colored Junco, 2; Am. Tree Sparrow, 71; White-throated Sparrow, 3; Song Sparrow, 3. **Total,** 42 species; about 2005 individuals. (Seen in area count period: **Cardinal.**) —D. H. Morse (compiler), M. C. Morse, Jr., G. W. Ramsdell, Mrs. W. E. Trafton, R. B. Wait.

38. Coastal New Hampshire (same circle as in previous years, including Hampton Harbor, Portsmouth, Great Bay, Exeter; ocean 30%, harbor 10%, brackish bay 10%, woods 10%, brush 10%, fields 10%, marsh 5%, suburban 15%).—Dec. 28; 3 a.m. to 4:30 p.m.; clear, few clouds; temp. 32° to 38°; wind SW to NE, 0-8 m.p.h.; ground bare, Great Bay open, Eel Pond partly open. Five observers in 3 parties. Total party-hours, 28 (20 on foot, 7 by car, 1 by canoe); total party-miles, 178 (15 on foot, 162 by car, 1 by canoe). Common Loon, 51; Red-throated Loon, 14; Red-necked Grebe, 72; Horned Grebe, 78; European Cormorant, 9; Canada Goose, 1000; Black Duck, 490; **Am. Widgeon, 25**; **Pintail, 1** (E. F.); Greater Scaup, 501; Am. Golden-eye, 250; Buffle-head, 25; Old-squaw, 44; Common Eider, 3; **King Eider, 1** (K. E.); White-winged Scoter, 251; Surf Scoter, 26; Am. Scoter, 5; Am. Merganser, 7; Red-breasted Merganser, 106; Sparrow Hawk, 2; **Am. Coot,** 7; Red-backed Sandpiper, 1; Sanderling, 9; Great Black-backed Gull, 28; Herring Gull, 1340; Bonaparte's Gull, 40; **Forster's Tern, 1** (carefully identified—J.M., T.R.); Hairy Woodpecker, 4; Downy Woodpecker, 4; Horned Lark, 40; Blue Jay, 35; Am. Crow, 79; Black-capped Chickadee, 92; **Brown-capped Chickadee, 1** (K. E.); White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; **Long-billed Marsh Wren, 1** (K. E.); Am. Robin, 8; Golden-crowned Kinglet, 2; **Ruby-crowned Kinglet,** 1; Common Starling, 1445; House Sparrow, 163; **Purple Grackle, 3**; Evening Grosbeak, 25; Purple Finch, 4; Pine Grosbeak, 8; Pine Siskin, 8; Am. Goldfinch, 16; Slate-colored Junco, 2; Am. Tree Sparrow, 47; **Fox Sparrow, 1; Swamp Sparrow,** 2; Song Sparrow, 5; Snow Bunting, 11. **Total,** 55 species; about 6400 individuals.—Kimball Elkins, Eugene Finch, Marion Hatch, John McIlwaine, Tudor Richards (compiler).

39. Dummer Hill, N. H. (townships of Dummer and Stark; open fields and pastures 40%, Canadian forest 60%).—Dec. 27; 7:30 a.m. to 4 p.m. Cloudy with snow showers; temp. 28° to 32°; wind gentle NW; 2-3-in. new snow. One observer. Total hours, 8½; total miles, 12 (all on foot). Ruffed Grouse, 1; **Downy Woodpecker, 1**; **Am. Crow, 2**; Black-capped Chickadee, 25; Red-breasted Nuthatch, 2; **Brown Creeper, 1**; Pine Grosbeak, 3. **Total,** 7 species; 35 individuals. (Am. Crow, Downy Woodpecker, Brown Creeper new to count which has been held for 10 years.)—Stuart K. Harris.

40. Laconia–New Hampton, N. H. (7½-mile radius to include Meredith Bay, Governor's Island, Gilford, Silver Lake, New Hampton village; open lakes and rivers 35%, mixed woods 35%, suburban 25%, open fields 5%).—Dec. 30; 6:30 a.m. to 4:30 p.m. Overcast; temp. 20° to 38°; wind W, 2 m.p.h.; snow patches, small ponds frozen, rivers, brooks and large lakes open. Seven observers in 3 parties. Total party-hours, 20 (9 on foot, 11 by car); total party-miles, 185 (8 on foot, 177 by car). Red-necked Grebe, 2; Horned Grebe, 259; Great Blue Heron, 1; Mallard, 18; Black Duck, 83; Am. Golden-eye, 91; Buffle-head, 4; Hooded Merganser, 20; Am. Merganser, 8; Goshawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 4; **Great Black-backed Gull, 2**; Herring Gull, 58; **Ring-billed Gull, 1**; Belted Kingfisher, 1; Hairy Woodpecker, 12; Downy Woodpecker, 8; **Gray Jay, 2**; Blue Jay, 115; Am. Crow, 10; Black-capped Chickadee, 109; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 3; Brown Creeper, 3; Common Starling, 40; House Sparrow, 90; Evening Grosbeak, 121; Pine Grosbeak, 10; Common Redpoll, 29; Am. Goldfinch, 18; Slate-colored Junco, 12; Am. Tree Sparrow, 57; Chipping Sparrow, 3 [no details—Ed.]; **White-throated Sparrow, 2**. **Total,** 35 species; about 1221 individuals. (Seen in area count period: Sharp-shinned Hawk, Rough-legged Hawk, Sparrow Hawk, Pileated Woodpecker, Am. Robin, Red-winged Blackbird, Dickcissel.)—Della B. Harvey, Richard C. Hebert, Vera H. Hebert (compiler), Ann Merrill, Mary Merrill, Pauline Merrill, John Morse.

41. Pittsburg, N. H. (15-mile diameter circle, from Pittsburg Village to Second Connecticut Lake and East Inlet; ice-covered lakes; Connecticut River, farmland, slash, mixed hard and soft woods, town dump, 5 feeding stations, active lumber camp).—Dec. 28; 7 a.m. to 4:55 p.m.; temp. 10° to 24°; no wind; 3-in. snow on ground, open water only in Connecticut River. Three observers in 2 parties. Total party-hours, 26 (14 on foot, 12 by car); total party-miles, 71 (8 on foot, 63 by car). Black Duck, 13; Am. Golden-eye, 2; Ruffed Grouse, 1; Hairy Woodpecker, 8; Downy Woodpecker, 7; Gray Jay, 11; Blue Jay, 5; Black-capped Chickadee, 36; Brown-capped Chickadee, 12; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 16; Brown Creeper, 1; Evening Grosbeak, 25; Pine Grosbeak, 1; Slate-colored Junco, 1; Am. Tree Sparrow, 2. **Total,** 16 species; 143 individuals. (Seen in area count period: Goshawk, Pileated Woodpecker, Common Raven, Gray Shrike.)—Fred T. Scott (compiler), Mrs. Ethel Sturgis.

42. **Bennington, Vt.** (same territory as 1956; open fields 40%, woods 30%, rivers 10%, village 20%).—Dec. 29; 7 a.m. to 4:30 p.m. Cloudy a.m., clear p.m.; temp. 39° to 46°; wind NW, 0-8 m.p.h.; ground bare. Eleven observers in 9 parties. Total party-hours, 47 (6 by foot, 41 by car); total party-miles, 110 (10 on foot, 100 by car). Black Duck, 40; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 1; Ring-necked Pheasant, 28; Horned Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 6; Downy Woodpecker, 10; Blue Jay, 58; Am. Crow, 64; Black-capped Chickadee, 54; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Gray Shrike, 1; Common Starling, 153; House Sparrow, 291; Brown-headed Cowbird, 4; **Cardinal, 1**; Evening Grosbeak, 114; Am. Goldfinch, 21; Am. Tree Sparrow, 36; Song Sparrow, 4. **Total,** 24 species; about 913 individuals. (Seen in area count period: Herring Gull, Cooper's Hawk, Pileated Woodpecker.)—Dorothy Barrow, Henrietta Barrow, Barbara Beecher, Thomas Foster, Beatrice Hadden, Stella Higgins, John Johnson, Margery Ludlow, Howard Nash, Marion Riemann, Lucretius H. Ross (compiler).

43. **Burlington, Vt.** (7½-mile radius centering at College St. and lake front; residential 1%, lake shore 74%, woods 22%, fields 3%).—Jan. 1; 7 a.m. to 4:30 p.m. Overcast, little rain; temp. 35° to 38°; wind S to SW 8-22 m.p.h.; ground bare, lake, bays, rivers open, marshes flooded. Three observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 61 (12 on foot, 49 by car). Common Loon, 3; Red-throated Loon, 1; Horned Grebe, 26; Mallard, 1; Black Duck, 14; **Green-winged Teal, 1** (carefully identified); Greater Scaup, 3; Am. Golden-eye, 144; Buffle-head, 3; **Old-squaw, 1**; White-winged Scoter, 1; Hooded Merganser, 2; Am. Merganser, 67; Sparrow Hawk, 2; Ruffed Grouse, 3; Herring Gull, 820; Ring-billed Gull, 24; **Belted Kingfisher, 1**; Downy Woodpecker, 4; Blue Jay, 28; Am. Crow, 6; Black-capped Chickadee, 27; White-breasted Nuthatch, 5; Brown Creeper, 3; Common Starling, 174; House Sparrow, 275; Red-winged Blackbird, 1; Evening Grosbeak, 13; Purple Finch, 3; White-winged Crossbill, 3; Am. Tree Sparrow, 23; Song Sparrow, 3; Snow Bunting, 11. **Total,** 33 species; about 1696 individuals.—Mrs. Oliver Eastman, Norman St. Jacques, Marion L. Smith (compiler).

44. **Saxtons River, Vt.** (7½-mile radius centering 2½ miles north of Westminster West to include Connecticut River from Williams River to Putney Great Meadows and Walpole, N. H.; open fields 60%, mixed woods 20%, open river 10%, residential 10%).—Dec. 23; 7 a.m. to 4 p.m. Clear; temp. 20° to 40°; calm; ground bare, all water open, Conn. River very high. Two observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 100 (3 on foot, 97 by car). Black Duck, 4; Am. Golden-eye, 6; Am. Merganser, 15; Ruffed Grouse, 1; Herring Gull, 8; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 100; Blue Jay, 16; Am. Crow, 50; Black-capped Chickadee, 13; White-breasted Nuthatch, 1; Common Starling, 2; House Sparrow, 30; Evening Grosbeak, 5; Pine Grosbeak, 5; Am. Goldfinch, 10; Am. Tree Sparrow, 12. **Total,** 19 species; about 281 individuals.—Angus Black (compiler), Michael Choukas.

45. **Topsham, Vt.** (same area as last 3 years; open farmland 54%, mixed deciduous and evergreen woods, swampy in places 39%, dry pasture 5%, orchard 2%).—Dec. 29; 6:30 a.m. to 4:30 p.m. Light snow a.m., clearing p.m.; temp. 29° to 36°; wind SE to NW, 0-5 m.p.h.; 0-2-in. snow on ground, small brooks open. Three observers, 2 in 1-2 parties, 1 at feeding station. Total party-hours, 17½ (17 on foot, ½ by jeep); total party-miles, 13½ (12 on foot, 1½ by jeep). Ruffed Grouse, 12; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 12; Black-capped Chickadee, 99; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 1; Pine Grosbeak, 2. **Total,** 10 species; 140 individuals. (In area count period: Barred Owl, Evening Grosbeak, Common Redpoll, Am. Tree Sparrow.) [Exceptionally neat, well prepared report—Ed.]—Alison Macdonald, Alison M. Macdonald, Elisabeth Macdonald (compiler).

46. **Belmont, Mass.** (including Fresh Pond in Cambridge, same area as in previous 23 years; pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marsh 15%, residential 40%).—Dec. 26; 6:30 a.m. to 3:30 p.m. Morning cloudy, bad rain storm p.m.; temp. 30° to 40°; wind SE, 10 to 50 m.p.h.; ground bare, all ponds open. Ten observers in 5 parties. Total party-hours, 25 (20 on foot, 5 by car); total party-miles, 30 (20 on foot, 10 by car). Canada Goose, 2; Mallard, 63; Black Duck, 72; Am. Widgeon, 75; Wood Duck, 1; Hooded Merganser, 4; Am. Merganser, 45; Cooper's Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 19; Killdeer, 1; Great Black-backed Gull, 27; Herring Gull, 1050; Ring-billed Gull, 1; Hairy Woodpecker, 7; Downy Woodpecker, 17; Blue Jay, 22; Am. Crow, 78; Black-capped Chickadee, 106; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 2; **Ruby-crowned Kinglet, 2**; Common Starling, 138; House Sparrow, 33; **Cardinal, 1** (at feeder regularly); Purple Finch, 4; Common Redpoll, 18; Pine Siskin, 10; Am. Goldfinch, 20; Slate-colored Junco, 83; Am. Tree Sparrow, 68; White-throated Sparrow, 4; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 24. **Total,** 36 species; about 2019 individuals. (Seen in area count period: Red-tailed Hawk, **Ruffed Grouse, Carolina Wren,** Am. Robin, Golden-crowned Kinglet, Pine Grosbeak.) —Peter Ames, Mrs. William H. Claflin 3rd, Mrs. Francis W. Davis, Mrs. Hervey B. Elkins, Kimball C. Elkins, Charles Anthony Federer 3rd, Ivan Getting, Jr., Robert T. Paine 3rd, Mr. and Mrs. Samuel D. Robbins (compilers).

47. **Cape Ann, Mass.** (Beverly, Essex, Gloucester, Hamilton, Manchester, Rockport, Ipswich Beach,

Wenham).—Dec. 22; 7 a.m. to 5 p.m. Clear; temp. 35° to 45°; wind SW, 15-30 m.p.h.; ground bare, ponds open. Thirty-five observers in 10 parties. Total party-hours, 70 (30 on foot, 40 by car); total party-miles, 280 (80 on foot, 200 by car). Common Loon, 20; Red-throated Loon, 2; Horned Grebe, 216; Gannet, 158; European Cormorant, 259; Great Blue Heron, 2; Canada Goose, 16; Mallard, 57; Black Duck, 341; Greater Scaup, 5; Am. Golden-eye, 419; Buffle-head, 30; Old-squaw, 51; Common Eider, 109; White-winged Scoter, 216; Surf Scoter, 14; Am. Scoter, 9; Red-breasted Merganser, 332; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; Ring-necked Pheasant, 25; Purple Sandpiper, 136; Red-backed Sandpiper, 275; Sanderling, 16; **Red Phalarope, 2500** (unprecedented late flight) [no details—Ed.]; Iceland Gull, 2; Great Black-backed Gull, 744; Herring Gull, 11,944; Ring-billed Gull, 4; Bonaparte's Gull, 6; Black-legged Kittiwake, 127; Razor-billed Auk, 57; Dovekie, **3018**; Black Guillemot, 7; Mourning Dove, 3; Screech Owl, 1; Horned Owl, 3; Snowy Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Hairy Woodpecker, 19; Downy Woodpecker, 30; Horned Lark, 23; Blue Jay, 111; Am. Crow, 205; Black-capped Chickadee, 347; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 22; Brown Creeper, 6; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 8; Hermit Thrush, 3; Golden-crowned Kinglet, 70; Ruby-crowned Kinglet, 3; Gray Shrike, 4; **Loggerhead Shrike, 1** [no details—Ed.]; Common Starling, 6324; Myrtle Warbler, 118; House Sparrow, 1113; Eastern Meadowlark, 132; **Baltimore Oriole, 1**; Purple Grackle, 1; Brown-headed Cowbird, 1; **Cardinal, 2**; **Black-headed Grosbeak, 1** [no details—Ed.]; **Dickcissel, 1**; Evening Grosbeak, 105; Purple Finch, 7; Pine Grosbeak, 33; Common Redpoll, 12; Pine Siskin, 2; Am. Goldfinch, 48; Red Crossbill, 12; White-winged Crossbill, 1; Savannah Sparrow, 9; Slate-colored Junco, 219; Am. Tree Sparrow, 172; White-throated Sparrow, 28; Fox Sparrow, 7; Swamp Sparrow, 2; Song Sparrow, 44; Lapland Longspur, 2; Snow Bunting, 127. **Total,** 88 species; about 30,554 individuals.—Priscilla Bailey, Wallace Bailey (compiler), Don Burhe, Mr. and Mrs. John W. Day, Murray Gardler, Mr. and Mrs. Henry N. Halberg, Susan Harrington, Mrs. Philip Holden, W. E. Davis, W. E. Davis, Jr., Bertram Leadbeater, Ralph Lawson, Mr. and Mrs. John T. Lovett, Mr. and Mrs. John Marsh, Nathaniel C. Nash, Herbert Pratt, William Rice, Mr. and Mrs. Donald Sampson, Douglas Sands, Mark Satterthwaite, James O. Seamans, Richard F. Seamans, George Seeley, Robert H. Shaw, Dorothy Snyder, Roderic W. Sommers, Charles Sutherland, Mr. and Mrs. John E. Walsh, Henry T. Wiggin.

48. Cape Cod, Mass. (parts of Chatham, Brewster, Orleans, Eastham; same routes as previous years, including outer beaches).—Dec. 29; 6 a.m. to 5:30 p.m. Heavy rain, then clearing; temp. 47° to 42°; wind SE to E to NW; ponds and marshes open. Thirty observers in 6 parties. Total party-hours, 82 (36 on foot, 46 by car); total party-miles, 390; (70 on foot, 320 by car). Common Loon, 34; Red-throated Loon, 3; Red-necked Grebe, 1; Horned Grebe, 45; Pied-billed Grebe, 21; Gannet, **420**; Great Blue Heron, **73**; Black-crowned Night Heron, 46; Am. Bittern, 4; Canada Goose, 1883; Am. Brant, 1605; **Snow Goose, 1**; Mallard, 9; Black Duck, 634; Am. Widgeon, 7; Green-winged Teal, 2; Greater Scaup, 73; Am. Golden-eye, 665; Buffle-head, 272; Old-squaw, 107; Common Eider, 1850; **King Eider, 1** (A.H.M., D.L.E.); White-winged Scoter, 130; Surf Scoter, 48; Am. Scoter, 411; Ruddy Duck, 59; Hooded Merganser, 1; Am. Merganser, 4; Red-breasted Merganser, 163; Cooper's Hawk, 2; Red-tailed Hawk, 6; Marsh Hawk, 5; **Pigeon Hawk, 1** (carefully identified); Sparrow Hawk, 19; Ruffed Grouse, 1; Bob-white, **95**; Ring-necked Pheasant, 11; Virginia Rail, 1; Am. Coot, 2; Black-bellied Plover, 17; Wilson's Snipe, 8; Greater Yellow-legs, 1; **Red Knot, 3**; Red-backed Sandpiper, 707; Sanderling, 188; **Iceland Gull, 2**; Great Black-backed Gull, 678; Herring Gull, 9800; Ring-billed Gull, 262; Laughing Gull, 2; Bonaparte's Gull, 183; Black-legged Kittiwake, **1236**; Razor-billed Auk, 1; Mourning Dove, 8; Horned Owl, 7; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 71; **Red-headed Woodpecker, 1** (present for week); Hairy Woodpecker, 9; Downy Woodpecker, 16; Horned Lark, 21; Blue Jay, 237; Am. Crow, 352; Black-capped Chickadee, 839; **Tufted Titmouse, 1**; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 36; Brown Creeper, 7; Carolina Wren, 2; Long-billed Marsh Wren, 3; **Short-billed Marsh Wren, 1** (A.H.M.); Catbird, 3; Brown Thrasher, 1; Am. Robin, 78; Hermit Thrush, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 56; Ruby-crowned Kinglet, 2; Cedar Waxwing, 4; Common Starling, 3011; **Orange-crowned Warbler, 1**; Myrtle Warbler, 796; Pine Warbler, 1; **Palm Warbler, 24** (7 Yellow Palm); Common Yellowthroat, 2; **Yellow-breasted Chat, 3**; House Sparrow, 787; Eastern Meadowlark, 74; **Baltimore Oriole, 1**; **Dickcissel, 6**; Evening Grosbeak, 133; Purple Finch, 5; Common Redpoll, 3; Pine Siskin, 123; Am. Goldfinch, 245; Eastern Towhee, 15; Savannah Sparrow, 26; Sharp-tailed Sparrow, 4; Seaside Sparrow, 5; Slate-colored Junco, 361; Am. Tree Sparrow, 209; Field Sparrow, 3; White-throated Sparrow, 122; Fox Sparrow, 3; Swamp Sparrow, 46; Song Sparrow, 223; Lapland Longspur, 4; Snow Bunting, 27. **Total,** 109 species (1 additional subspecies); about 29,841 individuals. (In area count period: Pintail, Gray Shrike, Brown-headed Cowbird.)—Patricia Anderson, Eleanor Barry, Robert Benjamin, Charles Crain, Henry Cutler, Dan De Wolf, Osborne Earl, Richard Eaton, David Emerson, Mrs. Maurice Emery, Murray Gardler, Frederick Gleason, Mr. and Mrs. Henry Halberg, Wayne Hanley, Warren Harrington, Norman Hill, Richard Hinchman, Allan Keith, Richard Kleber, Stephen Lane, Dana Mills, Allen Morgan, Mr. and Mrs. Jalmar Nelson, Theodore Norman, Henry Parker (compiler), Douglas Sands, Donald Southall, Charles Sutherland, Henry White.

49. **Greenfield, Mass.** (7½-mile radius centering on Franklin County Fair Grounds; fields and meadows 40%, woodlands 20%, populated areas 15%, water areas 10%, marshland 15%).—Dec. 22; 7:30 a.m. to 4:15 p.m. Clear with some high cloudiness; temp. 35° to 45°; wind NW, 2-15 m.p.h.; ground bare, water areas and marshes unfrozen, rivers and ponds very high. Twelve observers in 9 parties. Total party-hours, 57 (18 on foot, 39 by car); total party-miles, 285 (27 on foot, 258 by car). Horned Grebe, 1; **Canada Goose, 6**; Mallard, 4; Black Duck, 85; Am. Golden-eye, 27; Hooded Merganser, 6; Am. Merganser, 65; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; **Peregrine Falcon, 1** (G.A.W.); Sparrow Hawk, 3; Ruffed Grouse, 5; Ring-necked Pheasant, 15; Herring Gull, 63; Ring-billed Gull, 4; Mourning Dove, 3; Screech Owl, 1; **Barred Owl, 1** (J.L.B.); Belted Kingfisher, 2; Pileated Woodpecker, 5; Hairy Woodpecker, 20; Downy Woodpecker, 36; Horned Lark, 5; **Gray Jay, 1** (at feeder since Nov. 23); Blue Jay, 215; Am. Crow, 192; Black-capped Chickadee, 284; **Tufted Titmouse, 1** (at feeder since mid-Dec.); White-breasted Nuthatch, 75; Red-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 1; **Catbird, 2** (F.R.H.); Am. Robin, 4; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 1502; **Yellow-breasted Chat, 1**; House Sparrow, 1078; Brown-headed Cowbird, 3; **Cardinal, 1**; Evening Grosbeak, 189; Pine Grosbeak, 18; Common Redpoll, 1; Am. Goldfinch, 47; Slate-colored Junco, 51; Am. Tree Sparrow, 96; **Fox Sparrow, 1**; **Swamp Sparrow, 3** (G.A.W.); Song Sparrow, 10. **Total,** 53 species; about 4147 individuals.—John L. Bagg, Arthur A. Green, F. Raymond Hale, Mr. and Mrs. Robert A. Harrington, Harriet Harris, Mr. and Mrs. David R. Hirth, Mrs. Erwin C. Reed, Mrs. Cristobel Rockwood, Glenn A. Weeks (compiler), Mrs. Philip F. Whitmore.

50. **Jamaica Plain–Brookline, Mass.** (2-mile radius centering at Children's Museum, Jamaica Plain, and including Arnold Arboretum, Sargent Estate, Jamaica, Ward's and Leverett's Ponds; municipal park 80%, ponds and streams 10%, mixed woods 10%).—Dec. 30; 8 a.m. to 4 p.m. Slight overcast; temp. 30° to 38°; wind WNW, 4-7 m.p.h.; large ponds open, small ones had very thin ice, no snow on ground. Twenty observers in 1 party. Total party-hours, 8 (all on foot); total party-miles, 12 (12 on foot). Horned Grebe, 1; Pied-billed Grebe, 2; Mallard, 109; Black Duck, 102; Am. Widgeon, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 5; Great Black-backed Gull, 2; Herring Gull, 101; Mourning Dove, 4; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 12; Blue Jay, 30; Am. Crow, 48; Black-capped Chickadee, 22; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 4; Am. Robin, 28; Common Starling, 147; House Sparrow, 33; Purple Finch, 3; Pine Siskin, 3; Am. Goldfinch, 5; Slate-colored Junco, 24; Am. Tree Sparrow, 1; White-throated Sparrow, 2; Fox Sparrow, 8; Song Sparrow, 28. **Total,** 31 species; about 740 individuals. (Seen in area count period: Am. Merganser, Evening Grosbeak, Common Redpoll.)—Children's Museum Bird Club, Marion Davis, Miriam E. Dickey (compiler).

51. **Marshfield, Mass.** (same area as last year).—Dec. 28; 7:45 a.m. to 4:30 p.m. Partially overcast; temp. 32° to 44°; wind WSW, 8-12 m.p.h.; ground bare, water open. Eight observers in 6 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 62 (16 on foot, 46 by car). Common Loon, 11; Red-throated Loon, 10; Red-necked Grebe, 4; Horned Grebe, 12; Pied-billed Grebe, 1; Gannet, 2; Great Blue Heron, 2; Canada Goose, 200; Mallard, 2; Black Duck, 33; Greater Scaup, 2; Am. Golden-eye, 86; Buffle-head, 16; Old-squaw, 13; Common Eider, 15; White-winged Scoter, 42; Surf Scoter, 24; Am. Scoter, 4; Red-breasted Merganser, 68; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 4; Ring-necked Pheasant, 12; **Virginia Rail, 2** (carefully identified); Am. Coot, 1; Black-bellied Plover, 5; Red-backed Sandpiper, 131; Great Black-backed Gull, 22; Herring Gull, 162; Ring-billed Gull, 26; **Brünnich's Murre, 3**; Dovekie, 1; Mourning Dove, 69; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 28; Horned Lark, 80; Blue Jay, 131; Am. Crow, 80; Black-capped Chickadee, 289; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 2; Am. Robin, 4; Golden-crowned Kinglet, 7; Common Starling, 192; Myrtle Warbler, 92; **Pine Warbler, 1** (carefully identified); Palm Warbler, 2; **Yellow-breasted Chat, 3** (carefully identified); House Sparrow, 183; Eastern Meadowlark, 35; Purple Grackle, 2; Brown-headed Cowbird, 70; Evening Grosbeak, 216; Purple Finch, 28; Am. Goldfinch, 181; **Red Crossbill, 15**; Eastern Towhee, 4; Slate-colored Junco, 261; Am. Tree Sparrow, 65; White-throated Sparrow, 17; Fox Sparrow, 7; Swamp Sparrow, 7; Song Sparrow, 16; Snow Bunting, 46. **Total,** 69 species; about 3089 individuals. (In area count period: **Catbird, Baltimore Oriole,** Pine Siskin.)—Rosella S. Ames (compiler), Mr. and Mrs. Bruce M. Binley, Charlotte Brown, Marian V. Brown, Alice E. Kingman, Allen Richardson, A. A. Wills.

52. **Nantucket, Mass.** (whole island included in a 7½-mile radius, north to Great Point, east to Siasconset, south to Pines and Larches and Mothball Pines, west to Eel and Smith's Points; ocean 20%, harbor 10%, beaches and salt marshes 25%, fresh-water ponds 10%, deciduous and pine woods 10%, moors and open farmland 20%, roadside thickets 5%).—Dec. 29; 8 a.m. to 4:30 p.m. Heavy rain until 10 a.m.; temp. 48° to 36°; wind NNW, 5-20-0 m.p.h.; ground bare, all water open. Fourteen observers in 3 parties. Total party-hours, 22 (3 on foot, 19 by car); total party-miles, 142 (3 on foot, 139 by car). Common Loon, 31; Red-throated Loon, 3; Horned Grebe, 16; Gannet, 213; Great Blue Heron, 3; Canada Goose, 60; Black Duck,

34; Am. Widgeon, 770; Redhead, 2; Canvas-back, 33; Greater Scaup, 40; Am. Golden-eye, 47; Buffle-head, 10; Old-squaw, 35; Common Eider, 1434; White-winged Scoter, 2343; Surf Scoter, 1; Am. Scoter, 30; Ruddy Duck, 6; Red-breasted Merganser, 22; Red-tailed Hawk, 7; Marsh Hawk, 7; Sparrow Hawk, 7; Bob-white, 2; Ring-necked Pheasant, 9; Am. Coot, 25; Black-bellied Plover, 25; Ruddy Turnstone, **24**; Red-backed Sandpiper, 5; Sanderling, 165; Great Black-backed Gull, 75; Herring Gull, **5617**; Ring-billed Gull, 2; Bonaparte's Gull, **744**; **Black-legged Kittiwake, 12**; Razor-billed Auk, 2; Mourning Dove, 7; Short-eared Owl, 5; Yellow-shafted Flicker, 45; Hairy Woodpecker, 4; Downy Woodpecker, 1; Horned Lark, 35; Blue Jay, 11; Am. Crow, 676; Black-capped Chickadee, 40; Red-breasted Nuthatch, 5; Mockingbird, 1; Catbird, 1; Am. Robin, 2; Gray Shrike, 1; Common Starling, 2844; Myrtle Warbler, 184; **Yellow-breasted Chat, 1** (well seen by 5 observers); House Sparrow, 118; Eastern Meadowlark, 36; Red-winged Blackbird, 1; **Baltimore Oriole, 1**; Purple Grackle, 2; Brown-headed Cowbird, 3; **Dickcissel, 1** (regular at feeder); Purple Finch, 2; **Common Redpoll, 4**; Pine Siskin, 83; Am. Goldfinch, 41; **Eastern Towhee, 1**; Slate-colored Junco, 36; Am. Tree Sparrow, 5; White-throated Sparrow, 2; Song Sparrow, 23. **Total,** 69 species; about 16,083 individuals. (Seen count period: Red-necked Grebe, Pied-billed Grebe, **Red-shouldered Hawk,** Rough-legged Hawk, Purple Sandpiper, Eastern Bluebird, Ruby-crowned Kinglet, **Common Yellowthroat.**)—Barbara Andrews, Clinton Andrews, Edith Andrews (compiler), Sydney Coffin, Mabel Depue, Mr. and Mrs. Charles Ferreira, Mr. and Mrs. Philip B. Heywood, Mrs. John Lewin, Mrs. Jose Reyes, Elizabeth Van Duyne, Rena White.

53. Newburyport, Mass. (same territory as last 18 years).—Dec. 22; 6 a.m. to 5 p.m. Fair; temp. 25° to 35°; wind NW, 0-10 m.p.h.; ground bare, ponds and streams open. Thirty-two observers in 7 parties. Total party-hours, 66 (21 on foot, 45 by car); total party-miles, 280 (30 on foot, 250 by car). Common Loon, 39; Red-throated Loon, 7; Red-necked Grebe, 1; Horned Grebe, 1230; Gannet, 98; European Cormorant, 2; Black-crowned Night Heron, 1; Canada Goose, 900; **Snow Goose, 8** (Morgan party); **Blue Goose, 1** (Morgan party); Mallard, **506**; Black Duck, 12,249; Gadwall, 1; Am. Widgeon, **300**; Pintail, **504**; Green-winged Teal, 26; Canvas-back, 17; Greater Scaup, 401; Am. Golden-eye, 312; Buffle-head, 47; Old-squaw, 493; White-winged Scoter, 501; Surf Scoter, 8; Am. Scoter, 10; Ruddy Duck, 2; Hooded Merganser, 7; Am. Merganser, 1; Red-breasted Merganser, 49; Sharp-shinned Hawk, 4; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 5; **Pigeon Hawk, 1** (A.M., R.K.); Sparrow Hawk, 13; Ruffed Grouse, 2; Ring-necked Pheasant, 34; **Am. Coot,** 4; Purple Sandpiper, 12; Sanderling, 1; Iceland Gull, 3 (Kumlien's, 1); Great Black-backed Gull, 81; Herring Gull, 2077; Ring-billed Gull, 11; **Black-headed Gull, 2** (L.G. party); Bonaparte's Gull, 612; Dovekie, 1; Mourning Dove, 49; Snowy Owl, 3; Barred Owl, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 24; Downy Woodpecker, 33; **Arctic Woodpecker, 1** (Mrs. C.d.W.—seen by many other qualified observers since count); Horned Lark, 106; Blue Jay, 184; Am. Crow, 608; Black-capped Chickadee, 483; **Brown-capped Chickadee, 1**; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 7; Brown Creeper, 6; Winter Wren, 1; **Mockingbird, 1**; Am. Robin, 2; Golden-crowned Kinglet, 4; Gray Shrike, 2; Common Starling, 3398; Myrtle Warbler, 214; House Sparrow, 824; **Bullock's Oriole, 1** (Mrs. C.d.W.—seen by many other qualified observers since count); Purple Grackle, 4; Evening Grosbeak, 189; Purple Finch, 41; Pine Grosbeak, 19; Common Redpoll, 10; Pine Siskin, 4; Am. Goldfinch, 198; Red Crossbill, 9; White-winged Crossbill, 14; Eastern Towhee, 3; Ipswich Sparrow, 1; Savannah Sparrow, 7; Slate-colored Junco, 229; **Oregon Junco, 1**; Am. Tree Sparrow, 249; Field Sparrow, 3; White-throated Sparrow, 6; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 17; Lapland Longspur, 110; Snow Bunting, 31. **Total,** 94 species (1 additional subspecies); about 27,729 individuals.—Donald C. Alexander (compiler), Mrs. D. C. Alexander, Mr. and Mrs. Arthur Argue, Mr. and Mrs. Thomas Banes, Eleanor Barry, Edgar Batchelder, David Carson, Katherine Curtis, Mrs. Frances Elkins, Kimball Elkins, Ruth Emery, Robert Fox, Mr. and Mrs. Elmer Foye, Ludlow Griscom, Clifford Harrington, Winthrop Harrington, S. K. Harris, Leon Keach, Juliet Kellogg, Richard Kleber, Dr. and Mrs. Stephen Maddock, Allen Morgan, Robert Paine, Eleanor Richmond, Oscar Root, Mr. and Mrs. Leland Strickland, Mrs. Clara de Windt.

54. Northampton, Mass. (same circle as last 23 years).—Dec. 29; 6 a.m. to 5 p.m. Light rain ending 6:30 a.m., then fair; temp. 33° to 43°; wind NW, 0-23 m.p.h.; no snow, water open. Sixty-five observers, half in field, remainder at feeders. Canada Goose, 5; Mallard, 8; Black Duck, 116; Am. Golden-eye, 2; Hooded Merganser, 2; Am. Merganser, 37; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; **Peregrine Falcon, 1** (S.A.E.); Sparrow Hawk, 16; Ruffed Grouse, 12; Ring-necked Pheasant, 140; **Iceland Gull, 1** (S.A.E.); Herring Gull, **220**; Ring-billed Gull, 5; Mourning Dove, 69; Horned Owl, 5; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Hairy Woodpecker, 62; Downy Woodpecker, 91; Horned Lark, 81 (1 Prairie); Blue Jay, 435; Am. Crow, 985; Black-capped Chickadee, 480; **Tufted Titmouse, 1** (present since mid-Nov.); White-breasted Nuthatch, 124; Red-breasted Nuthatch, 5; Brown Creeper, 14; Winter Wren, 4; **Carolina Wren, 1**; **Long-billed Marsh Wren, 1**; Am. Robin, 1; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 1; Common Starling, 3600; **Common Yellowthroat, 1**; House Sparrow, 2750; Eastern Meadowlark, 12; Red-winged Blackbird, 2; **Rusty Blackbird, 3**; Brown-headed Cowbird, 29; **Cardinal, 9** (unprecedented invasion, Oct. 19 on); Dickcissel, 1; Evening Grosbeak, 437; Purple Finch, 11; Pine Grosbeak, 62; Common Redpoll, 3; Pine

Siskin, 21; Am. Goldfinch, 270; **Eastern Towhee,** 1; Savannah Sparrow, 9; Slate-colored Junco, 370; Am. Tree Sparrow, 765; Field Sparrow, **5**; White-throated Sparrow, 13; Swamp Sparrow, 12; Song Sparrow, **96**. **Total,** 60 species (1 additional subspecies); about 11,443 individuals. (Seen count period: Glaucous Gull, Screech Owl, Long-eared Owl, Short-eared Owl, Saw-whet Owl, Belted Kingfisher, Mockingbird, Catbird, Gray Shrike, Purple Grackle, Red Crossbill, White-winged Crossbill, Lapland Longspur.)—Mr. and Mrs. Vernon Bagg, Lyndon Bagg, Mr. and Mrs. R. L. Ballman, L. M. Bartlett (compiler), Kitt Bottkol, Samuel A. Eliot, Jr., Margaret Ellsworth, David Heffron, R. I. Longley, Clara Ludwig, Allen Mytkowicz, George Nalesink, Thomas W. Reese, Gus Solzak, Rudolph Stone, Richard Zurowski.

55. **Pittsfield, Mass.** (lakes, woods and fields from Lanesboro on north to Wood Pond on south, and from Brielman's swamp on east and Richmond Pond on west; about same route as previously except that lakes were open).—Dec. 29; 8 a.m. to 4 p.m. Cloudy at start, clearing at end; temp. 34° to 36°; wind NW, 0-20 m.p.h.; scattered traces of snow, lakes almost free of ice, small ponds lightly frozen. Twelve observers in 5 parties. Total party-hours, 20 (17 on foot, 3 by car); total party-miles, 51 (6 on foot, 45 by car). Black Duck, 4; **Ring-necked Duck,** 1; **Canvas-back,** 17; scaup (sp.), 1; Am. Golden-eye, 5; **White-winged Scoter,** 1; Am. Merganser, 21; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; **Marsh Hawk,** 1; Ring-necked Pheasant, 1; Herring Gull, 21; **Mourning Dove,** 6; Screech Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 4; Am. Crow, 4; Black-capped Chickadee, 9; White-breasted Nuthatch, 3; Common Starling, 250+; House Sparrow, 95+; **Cardinal,** 2; Evening Grosbeak, 36; Pine Grosbeak, 1; Pine Siskin, 2; Slate-colored Junco, 2; Am. Tree Sparrow, 4; **White-throated Sparrow,** 1; Song Sparrow, 1. **Total,** 31 species; about 501 individuals.—Arthur S. Brooks, Edna Dunbar, Mr. and Mrs. Elmore J. Fitz, Mrs. Harold D. Grinnell, Bartlett Hendricks (compiler), Eugene Kosche, Mrs. Donnell D. MacCarthy, Mrs. Albert Schwab, Ruth Schumacher, Richard Silvernail, Chandler Vincent, Sr. (Hoffman Bird Club).

56. **Quincy, Mass.** (Squantum, Moon Island, Quincy, Wollaston, Milton, Braintree, Hingham, Hull, Weymouth; shore 50%, salt marsh 5%, open woods and park 30%, residential 15%).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 36° to 44°; wind W, 5 m.p.h. Eleven observers in 4 parties. Total party-hours, 37 (18 on foot, 19 by car); total party-miles, 142 (17 on foot, 125 by car). Common Loon, 9; Red-throated Loon, 14; Horned Grebe, 178; European Cormorant, 129; Black-crowned Night Heron, 64; Mallard, 18; Black Duck, 967; **Gadwall,** 1; Am. Widgeon, 1; Greater Scaup, 7240; Lesser Scaup, 5; Am. Golden-eye, 664; Buffle-head, 312; Old-squaw, 7; Common Eider, 41; White-winged Scoter, 560; Surf Scoter, 10; Am. Scoter, 9; Ruddy Duck, 2; Red-breasted Merganser, 517; Red-tailed Hawk, 2; Marsh Hawk, 1; **Pigeon Hawk,** 1 (carefully studied); Sparrow Hawk, 11; Ring-necked Pheasant, 6; Killdeer, 5; Black-bellied Plover, 1; Wilson's Snipe, 3; Greater Yellow-legs, 2; Purple Sandpiper, 17; Sanderling, 1; Great Black-backed Gull, 284; Herring Gull, 14,514; Ring-billed Gull, **39**; **Black-headed Gull,** 1; Bonaparte's Gull, 1; **Dovekie,** 3; Mourning Dove, 13; Screech Owl, 1; Snowy Owl, 1; Short-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Hairy Woodpecker, 17; Downy Woodpecker, 33; Horned Lark, 32; Blue Jay, 152; Am. Crow, 120; Black-capped Chickadee, 195; **Tufted Titmouse,** 1 (regular at feeder); White-breasted Nuthatch, 19; Red-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 6; Golden-crowned Kinglet, 7; Common Starling, 63,000; Myrtle Warbler, 5; House Sparrow, 414; Eastern Meadowlark, 24; **Baltimore Oriole,** 1; Brown-headed Cowbird, 6; **Cardinal,** 1; Evening Grosbeak, 81; Purple Finch, 31; Pine Grosbeak, 1; Common Redpoll, 20; Pine Siskin, 7; Am. Goldfinch, 80; Eastern Towhee, 1; Savannah Sparrow, 14; **Seaside Sparrow,** 1 (carefully identified); Slate-colored Junco, 245; Am. Tree Sparrow, 238; Field Sparrow, 7; White-throated Sparrow, 36; Swamp Sparrow, 12; Song Sparrow, 60; Lapland Longspur, 9. **Total,** 79 species; about 90,552 individuals. (Seen in area count period: Gray Shrike, Red-winged Blackbird, Purple Grackle.) —G. Allen, R. Fox, D. Harrington, W. Harrington, J. Howland, Ruth Higginbotham (compiler), A. Keith, D. Mills, J. Nelson, J. O'Regan, B. Raymond, G. Wilson.

57. **Springfield, Mass.** (same circle as last year). —Dec. 28; 7 a.m. to 5 p.m. Partly cloudy a.m., mostly cloudy p.m.; temp 28° to 42°; wind S, 3-12 m.p.h.; ground bare, marshes mostly frozen, ponds and river open. Fifty-five observers in 17 parties. Total party-hours, 95 (58 on foot, 37 by car); total party-miles, 338 (61 on foot, 277 by car). Canada Goose, 5; **Snow Goose,** 1; Mallard, 481 (many feral); Black Duck, 781; **Green-winged Teal,** 1; **Shoveller,** 1; Am. Golden-eye, 1; Am. Merganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Bald Eagle, 1; **Pigeon Hawk,** 1; Sparrow Hawk, 15; Ruffed Grouse, 12 Ring-necked Pheasant, 17; **Iceland Gull,** 1; Great Black-backed Gull, 1; Herring Gull, 266; Ring-billed Gull, 28; Mourning Dove, 18; Belted Kingfisher, **6**; Hairy Woodpecker, **66**; Downy Woodpecker, **101**; Horned Lark, 5; Blue Jay, 473; Am. Crow, 1062; Black-capped Chickadee, 414; White-breasted Nuthatch, **100**; Red-breasted Nuthatch, 4; Brown Creeper, 22; Winter Wren, 2; Carolina Wren, 1; Catbird, 1; Am. Robin, 5; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 6200; **Pine Warbler,** 1 [no details—Ed.]; House Sparrow, 1365; Eastern Meadowlark, 4; Red-winged Blackbird, 2; **Baltimore Oriole,** 1; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 4; Evening

Grosbeak, 42; Purple Finch, 24; Pine Grosbeak, 27; Common Redpoll, 252; Pine Siskin, 57; Am. Goldfinch, 209; Slate-colored Junco, 242; Am. Tree Sparrow, 429; Field Sparrow, 7; White-throated Sparrow, 4; Fox Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 44. **Total,** 61 species; about 12,865 individuals. (Seen during period: Barred Owl, Brown Thrasher.) [An Egyptian Goose carefully studied at rest and in flight was removed from the list. The identification is in no way questioned. While living around New York City I twice saw an Egyptian Goose in wilderness areas. This species is regular in zoological parks and private waterfowl ponds, and the birds periodically reported in the wild are undoubtedly escapes—ED.]—Mr. and Mrs. H. A. Avery, R. L. Ballman (compiler), Mr. and Mrs. M. R. Bates, Eva and Myrtie Brown, Mrs. J. Frisbie, D. Heffron, Mrs. J. P. Hunter, Mr. and Mrs. R. Labonte, R. I. Longley, Jr., A. Mytkowicz, G. Nalesink, Mr. G. P. Rickards, H. W. Schold, G. Solzak, Olga Thyberg, Gladys C. Todd, W. A. Tompkins, Mr. and Mrs. D. C. Trombla, Elaine Tuper, Mildred A. Tyler, R. Zurowski (Allen Bird Club and Holyoke Bird Club).

58. Ware, Mass. (east to Hardwick, West Brookfield and Warren, south on Ware River to Palmer Airport, north along Muddy Brook to Hardwick Pond, west to Lower Quabbin Reservoir and watershed; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Dec. 29; 7 a.m. to 4 p.m. Overcast to fair; temp. 40° to 45°; wind N, 0-5 m.p.h.; ground bare, all water open. Sixteen observers in 6 parties. Total party-hours, 40 (18 on foot, 22 by car); total party-miles, 65 (20 on foot, 45 by car). Great Blue Heron, 1; Mallard, 10; Black Duck, 368; Ring-necked Duck, 3; Am. Golden-eye, 21; Hooded Merganser, 3; Am. Merganser, 163; Red-tailed Hawk, 4; Ruffed Grouse, 12; Ring-necked Pheasant, 2; Iceland Gull, 1; Herring Gull, 375; Ring-billed Gull, 30; Mourning Dove, 3; Barred Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 15; Blue Jay, 150; Am. Crow, 76; Black-capped Chickadee, 116; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 8; Gray Shrike, 2; Common Starling, 375; **Yellow-breasted Chat, 1**; House Sparrow, 300; Evening Grosbeak, 160; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 44; Eastern Towhee, 1; Slate-colored Junco, 43; Am. Tree Sparrow, 68; White-throated Sparrow, 2; Song Sparrow, 3. **Total,** 39 species; about 2391 individuals. (Seen count period: Horned Grebe, Bald Eagle, **Gray Jay,** Brown-headed Cowbird, **Cardinal**.) [Exceptionally neat, carefully prepared report—ED.]—L. G. Albertine, M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. E. Campbell, L. M. Campbell, J. H. Conkey (compiler), R. G. Cutler, B. L. Descoteaux, M. A. Descoteaux, N. A. Descoteaux, M. D. Granger, L. R. Marland, B. A. Oberg, A. Snyder (Quabbin Bird Club).

59. Worcester, Mass. (15-mile diameter circle, including Boylston, W. Boylston, Sterling, SW Clinton).—Dec. 21; 8 a.m. to 4:30 p.m. Cloudy morning, sunny afternoon; temp. 53° to 61°; wind SW, 15 m.p.h.; no snow or ice. Three observers in 1 party. Total party-hours, 8½ (5 on foot, 3½ by car); total party-miles, 81 (1 on foot, 80 by car). Common Loon, 1; Horned Grebe, 1; Mallard, 63; Black Duck, 120; Am. Golden-eye, 14; White-winged Scoter, 1; Hooded Merganser, 5; Am. Merganser, 112; Red-tailed Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 6; Herring Gull, 193; Belted Kingfisher, 1; Downy Woodpecker, 1; Blue Jay, 5; Am. Crow, 7; Black-capped Chickadee, 2; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Common Starling, 1000; House Sparrow, 40; **Cardinal, 1** (present 2 weeks); Evening Grosbeak, 1; Am. Goldfinch, 3; Slate-colored Junco, 4; Song Sparrow, 3. **Total,** 26 species; about 1588 individuals. —Davis H. Crompton (compiler), Philip B. Heywood, Francis X. McMenemy.

60. Newport County, R. I. and Westport, Mass. (same area and coverage as last 8 years).—Dec. 22; 6:15 a.m. to 5:15 p.m. Clear; temp. 35° to 52°; wind NW, 15-25 m.p.h.; ground bare, ponds open with lingering evidence of long drought. Thirty-six observers in 10 parties. Total party-hours, 94 (45 on foot, 49 by car); total party-miles, 483 (130 on foot, 353 by car). Common Loon, 88; Red-throated Loon, 51; Red-necked Grebe, 5; Horned Grebe, 366; Pied-billed Grebe, 5; Gannet, 4; European Cormorant, 258; Great Blue Heron, 40; Am. Bittern, 2; Mute Swan, 98; Canada Goose, **1047**; Snow Goose, 1; Mallard, 11; Black Duck, 675; Am. Widgeon, 1105; Pintail, 20; Green-winged Teal, 2; Redhead, 33; Ring-necked Duck, 19; Canvas-back, 31; Greater Scaup, 1401; Lesser Scaup, 28; Am. Golden-eye, 817; Buffle-head, 311; Old-squaw, 3; Common Eider, 5; **King Eider, 2**; White-winged Scoter, 424; Surf Scoter, 64; Am. Scoter, 12; Ruddy Duck, 435; Hooded Merganser, 16; Am. Merganser, 7; Red-breasted Merganser, 422; Goshawk, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 9; Rough-legged Hawk, 1; Marsh Hawk, 10; **Pigeon Hawk, 1** (carefully identified); Sparrow Hawk, 55; Bob-white, 18; Ring-necked Pheasant, 40; Virginia Rail, 1; Am. Coot, 594; Killdeer, 5; Black-bellied Plover, 1; Purple Sandpiper, 108; Red-backed Sandpiper, 659; Sanderling, 70; Great Black-backed Gull, 127; Herring Gull, 3370; Ring-billed Gull, 125; Bonaparte's Gull, 176; Dovekie, 1; Mourning Dove, 123; Barn Owl, 1; Screech Owl, 6; Horned Owl, 6; Long-eared Owl, 4; Short-eared Owl, 5; Belted Kingfisher, 8; Yellow-shafted Flicker, 54; Hairy Woodpecker, 11; Downy Woodpecker, 52; Eastern Phoebe, 3; Horned Lark, 314; Blue Jay, 221; Am. Crow, 805; Black-capped Chickadee, 503; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 12; Brown Creeper, 5; **House Wren, 2**; Winter Wren, 5; Carolina Wren, 73; Long-billed Marsh Wren, 5; Mockingbird, 3; Catbird, 10; Brown Thrasher, 1; Am. Robin, 53; Hermit Thrush, 14; Eastern Bluebird, 8; Golden-crowned

Kinglet, 59; Ruby-crowned Kinglet, 18; Water Pipit, 3; Loggerhead Shrike, 3; Common Starling, 6200; Orange-crowned Warbler, 3; **Cape May Warbler, 1** (carefully studied at leisure by 3 competent observers); Myrtle Warbler, 900; Palm Warbler, 30; House Sparrow, 842; Eastern Meadowlark, 359; Red-winged Blackbird, 30; Purple Grackle, 11; Brown-headed Cowbird, 544; **Cardinal, 4**; Dickcissel, 4; Purple Finch, 10; Common Redpoll, 3; Pine Siskin, 101; Am. Goldfinch, 341; **Red Crossbill, 8**; Eastern Towhee, 29; Ipswich Sparrow, 2; Savannah Sparrow, 117; Sharp-tailed Sparrow, 4; Vesper Sparrow, 10; Slate-colored Junco, 424; Am. Tree Sparrow, 307; Field Sparrow, 122; White-throated Sparrow, 332; Fox Sparrow, 8; Swamp Sparrow, 34; Song Sparrow, 327; Snow Bunting, 50. **Total,** 119 species; about 26,769 individuals.—D. Atwater, J. Baird, R. Batchelder, B. Blackwell, C. Blake, R. Bowen, Bryan H. Childs, N. Clements, R. C. Clement, S. Crawford, M. Curry, S. S. Dana (compiler), Mrs. A. G. Davenport, H. Day, W. Dean, W. Drury, Jr., D. Emerson, R. Ferren, N. Hill, D. Kraus, I. Leven, R. McClachlan, F. Perry, G. Rae, B. Ridgley, Mrs. J. Riley, Mrs. L. Romaine, Mr. and Mrs. M. Smith, J. Sullivan, R. Udall, E. Weeks, R. West, J. Weske, C. Wright.

61. **South Kingston, R. I.** (same area as last 7 years).—Jan. 1; 6:15 a.m. to 5 p.m. Heavy to light rain, some fog; temp. 49° to 40°; wind SE to WSW, 15-25 m.p.h.; ground bare, water open. Eighteen observers in 4 parties. Total party-hours, 41 (25 on foot, 16 by car); total party-miles, 225 (25 on foot, 200 by car). Common Loon, 38; Red-throated Loon, 15; Horned Grebe, 77; Pied-billed Grebe, 9; Gannet, 2; European Cormorant, 29; Great Blue Heron, 27; Mute Swan, 6; Canada Goose, 3; Mallard, 7; Black Duck, 517; Am. Widgeon, 6; Canvas-back, 397; Greater Scaup, 1715; Am. Golden-eye, 557; Buffle-head, 52; Common Eider, 1; White-winged Scoter, 40; Am. Scoter, 2; Ruddy Duck, 10; Am. Merganser, 28; Red-breasted Merganser, 115; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 12; Bob-white, 8; Ring-necked Pheasant, 1; Am. Coot, 2; Wilson's Snipe, 2; Purple Sandpiper, 11; Red-backed Sandpiper, 12; Great Black-backed Gull, **329**; Herring Gull, 1470; Ring-billed Gull, 36; **Black-headed Gull, 1** (carefully identified by 2 parties separately); Bonaparte's Gull, 50; Mourning Dove, 12; Horned Owl, 1; Barred Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 10; Hairy Woodpecker, 5; Downy Woodpecker, 15; Horned Lark, 188; Blue Jay, 171; Am. Crow, 85; Black-capped Chickadee, **223**; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 6; **Mocking-bird, 2**; Catbird, 1; Brown Thrasher, 2; Am. Robin, 25; Hermit Thrush, 4; Eastern Bluebird, 23; Golden-crowned Kinglet, 6; Cedar Waxwing, 5; Loggerhead Shrike, 1; Common Starling, 1080; Myrtle Warbler, **800**; House Sparrow, 224; Eastern Meadowlark, 93; Red-winged Blackbird, 6; **Rusty Blackbird, 1**; Purple Grackle, 2; Brown-headed Cowbird, 130; **Cardinal, 2** (present since Nov.); Evening Grosbeak, 49; Purple Finch, 2; Pine Siskin, 31; Am. Goldfinch, 60; **Red Crossbill, 1**; Eastern Towhee, 9; Ipswich Sparrow, 1; Savannah Sparrow, 11; Vesper Sparrow, 2; **Lark Sparrow, 1** (Baird party); Slate-colored Junco, 75; Am. Tree Sparrow, 186; Field Sparrow, 55; White-throated Sparrow, 70; Fox Sparrow, 5; Swamp Sparrow, 13; Song Sparrow, 70. **Total,** 90 species; about 9397 individuals. (Seen in area count period: Redhead, Lesser Scaup, Red-tailed Hawk, Virginia Rail, Pine Grosbeak.)—J. Baird, C. Brainard, S. Crawford, Mrs. A. G. Davenport, H. Day, R. Ferrin, Mr. and Mrs. H. Gates, Mrs. K. Kinsey, D. Kraus (compiler), B. Murray, Mrs. R. C. Parker, Frances Perry, G. Rae, Elisabeth Weeks, R. West, C. Wood (Little Rest Bird Club).

62. **Greenwich–Stamford, Conn.** (essentially Port Chester, N. Y. count of 45 years moved slightly).—Dec. 29; 6:30 a.m. to 5 p.m. Clear to overcast; temp. 34° to 45°; wind NW, 10-15 m.p.h.; ground bare, water open. Seventy-one observers in 16 parties. Total party-hours, 72 (40 on foot, 32 by car); total party-miles, 295 (92 on foot, 203 by car). Common Loon, 1; Red-throated Loon, 5; Horned Grebe, 174; Pied-billed Grebe, 4; European Cormorant, 11; Great Blue Heron, 3; Black-crowned Night Heron, 7; Mute Swan, 28; Canada Goose, 256; Mallard, 482; Black Duck, 534; Am. Widgeon, 71; Ring-necked Duck, 86; Canvas-back, 35; Greater Scaup, 505; Am. Golden-eye, 133; Buffle-head, 102; Old-squaw, 65; White-winged Scoter, 291; Surf Scoter, 20; Ruddy Duck, 12; Hooded Merganser, 5; Am. Merganser, 130; Red-breasted Merganser, 191; Red-tailed Hawk, 10; Red-shouldered Hawk, 12; Marsh Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 1; Ring-necked Pheasant, 9; Clapper Rail, 1; Am. Coot, 1; Killdeer, 6; **Black-bellied Plover, 1** (P.C.S.); Greater Yellow-legs, 2; Purple Sandpiper, 4; Great Black-backed Gull, 8; Herring Gull, 1200; Ring-billed Gull, 45; Laughing Gull, 1; Mourning Dove, 226; Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 25; Downy Woodpecker, 92; Horned Lark, 2; Blue Jay, 114; Am. Crow, 241; Black-capped Chickadee, 491; Tufted Titmouse, **79**; White-breasted Nuthatch, 107; Red-breasted Nuthatch, 1; Brown Creeper, 27; Winter Wren, 5; Carolina Wren, 6; Catbird, 2; Am. Robin, 19; Hermit Thrush, 3; Eastern Bluebird, 98; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 1; Common Starling, 1280; Myrtle Warbler, 5; House Sparrow, 364; Eastern Meadowlark, 46; Red-winged Blackbird, 2; Purple Grackle, 5; Brown-headed Cowbird, 6; Cardinal, 41; Evening Grosbeak, 8; Purple Finch, 9; House Finch, **42**; Pine Grosbeak, 19; Common Redpoll, 1; Pine Siskin, 2; Am. Goldfinch, 146; Eastern Towhee, 6; Slate-colored Junco, 318; **Oregon Junco, 1** (at feeder all month); Am. Tree Sparrow, 81; Field Sparrow, 12; White-throated Sparrow, 131; Fox Sparrow, 16; Swamp Sparrow, 1; Song Sparrow, 79. **Total,** 90 species; about 8668 individuals.—Mrs. A. Anable, G. Bent II, E. Blodgett,

L. Bradley, A. Bristow, H. Bristow, Mrs. E. Brogan, Mr. and Mrs. M. Brown, Robert Burnap, Mrs. J. Carlson, Mrs. L. Chamberlain, W. B. Cook (compiler), H. Coombs, Mrs. G. Cutler, Mrs. E. Easton, John Farrand, W. Fennell, D. Fiero, G. Fiero, E. Fulling, Mrs. W. Geis, E. Gilchrist, S. Gordon, G. Greenbaum, E. Hamann, A. Harper, Mr. and Mrs. W. Harper, Jr., W. Hastings, E. Hirshberg, Mr. and Mrs. J. Jordan, Mrs. A. Knowles, P. Knowles, Mrs. T. Laire, Mr. and Mrs. J. Lewis, J. Ludwig, E. Luhde, W. Lustberg, Mr. and Mrs. J. Malone, Elizabeth S. Manning, M. Meisenhelder, Charles Mohr, P. Naumann, J. Norris, Douglas Orbison, D. Patt, Mr. Quigley, H. Reid, L. Reid, Mrs. J. Roop, G. Ropes, F. Ross, Mr. and Mrs. J. Schmid, Mrs. H. Schmidt, A. Schulman, N. Schoumatoff, P. C. Spofford, L. and E. Trowbridge, W. Van Winkle, Jr., Mrs. P. Von Bloh, Mrs. L. Winton, G. Wood, R. Worssam, V. Wystrach, J. Young (Greenwich Audubon Society assisted by Bedford, New Canaan, Sawmill River, Scarsdale and Westport Audubon Societies and Felt Nature Club).

63. Hartford, Conn. (same area as in other years).—Dec. 28; 7 a.m. to 4:30 p.m.; temp. 20° to 30°; no wind. Forty-one observers in 23 parties. Total party-hours, 111 (38 on foot, 73 by car); total party-miles, 155 (73 on foot, 82 by car). Mallard, 188; Black Duck, 71; Am. Widgeon, 6; Am. Golden-eye, 1; Am. Merganser, 5; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 8; Sparrow Hawk, 21; Ruffed Grouse, 2; Ring-necked Pheasant, 44; Great Black-backed Gull, 1; Herring Gull, 438; Ring-billed Gull, 474; Mourning Dove, 41; Screech Owl, 4; Horned Owl, 2; Barred Owl, 1; Long-eared Owl, 2; Short-eared Owl, 6; Belted Kingfisher, 10; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 71; Downy Woodpecker, 122; Horned Lark, 239; Blue Jay, 363; Am. Crow, 1542; Black-capped Chickadee, 414; Tufted Titmouse, 11; White-breasted Nuthatch, 96; Red-breasted Nuthatch, 10; Brown Creeper, 26; Winter Wren, 1; Mockingbird, 1; Catbird, 1; Am. Robin, 16; Eastern Bluebird, 15; Golden-crowned Kinglet, 9; Water Pipit, 6; Gray Shrike, 3; Common Starling, 7377; House Sparrow, 1232; Eastern Meadowlark, 26; Red-winged Blackbird, 136; Purple Grackle, 12; Brown-headed Cowbird, 265; Cardinal, 16; Evening Grosbeak, 69; Purple Finch, 96; Pine Grosbeak, 1; Pine Siskin, 1; Am. Goldfinch, 131; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 628; Am. Tree Sparrow, 678; Field Sparrow, 20; White-throated Sparrow, 62; Fox Sparrow, 6; Swamp Sparrow, 3; Song Sparrow, 116; Lapland Longspur, 7; Snow Bunting, 2. **Total,** 64 species; about 15,169 individuals.—Mr. and Mrs. H. P. Austin, Mrs. Pauline Bartman, Bartram Cadbury, Leo DesJardins, Percy Fellows, Mrs. Mary French, Paul Koele, Mrs. Thomas Rhines, Mrs. P. Stark (compiler), L. J. Whittles, Mrs. Staunton Williams (Hartford Bird Study Club).

64. Litchfield Hills, Conn. (7½-mile radius centering at top of Wheeler Hill north of Bantam Lake, including all of Morris, parts of Litchfield, Torrington, Goshen, Warren, Washington, Bethlehem, small areas in Cornwall, Watertown, Thomaston, Harwinton; open deciduous woods 40%, brushland 25%, coniferous woods 2%, suburban 1%, fresh-water ponds and swamps 8%, fields and pastures 24%).—Dec. 22; 7:30 a.m. to 5 p.m. Clear; temp. 20° to 50°; wind variable, 45-10 m.p.h.; all water open, no snow; first census under these conditions, resulting in reports of several water species for first time. Fifteen observers in 10 parties, plus 6 observers at feeders. Total party-hours, 50 (29 on foot, 21 by car); total party-miles, 204 (43 on foot, 161 by car). **Canada Goose,** 1; Mallard, 178; Black Duck, 9; **Redhead, 4**; Canvas-back, 1; Am. Golden-eye, 11; **Ruddy Duck, 1**; **Hooded Merganser, 4**; **Am. Merganser, 204**; Cooper's Hawk, 2; Red-tailed Hawk, 3; **Red-shouldered Hawk, 1**; Ruffed Grouse, 18; Ring-necked Pheasant, 5; **Turkey, 10** (introduced); **Herring Gull, 6**; Mourning Dove, 5; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 44; **Gray Jay, 1** (present since early Nov.); Blue Jay, 116; Am. Crow, 105; Black-capped Chickadee, 203; White-breasted Nuthatch, 53; Brown Creeper, 3; Am. Robin, 1; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 2; Common Starling, 357; House Sparrow, 479; **Purple Grackle, 2**; Evening Grosbeak, 133; Purple Finch, 2; Pine Grosbeak, 9; **Common Redpoll, 12** (3 parties); Pine Siskin, 20; Am. Goldfinch, 46; **Red Crossbill, 1**; Slate-colored Junco, 104; Am. Tree Sparrow, 77; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 46 species; about 2294 individuals. (Seen census period: Horned Grebe, Am. Coot, Barred Owl, Horned Lark, Red-breasted Nuthatch, Carolina Wren, Cedar Waxwing, Eastern Meadowlark, Cardinal.)—William C. Bader, Emily Coe, Mr. and Mrs. C. Stanley Gunnarson, Sidney A. Hessel (compiler), Lee W. Hughes, Jr., Mildred E. Hollister, Mrs. W. Prescott Hubbard, Sam Lincoln, Gordon Loery, James S. Lott, Arnold E. Lundberg, Reginald Miles, Roberta Ongley, Mr. and Mrs. Nellis Rood, Mrs. A. S. Smith, Edwin A. Swenson, Edmund Swigart, Helen Wersebe, Guy H. Whittall.

65. New Haven, Conn. (7½-mile radius, same as previous years; L. I. Sound and shore 32%, upland woods 15%, bottomland woods 8%, fields and hedgerows 16%, marshes and lakes 29%).—Dec. 29, 7 a.m. to 4:30 p.m.; temp. 35° to 45°; wind W, 0-10 m.p.h.; ground bare, lakes and ponds open. Ten observers in 3 parties. Total party-hours, 21 (8 on foot, 13 by car); total party-miles, 50 (15 on foot, 35 by car). Common Loon, 2; Red-throated Loon, 10; Horned Grebe, 79; Pied-billed Grebe, 5; **Am. Egret, 1** (present all Dec.); Mallard, 28; Black Duck, 800; Am. Widgeon, 800; Green-winged Teal, 1; Canvas-back, 455; Greater Scaup, 5000; Am. Golden-eye, 145; Buffle-head, 11; Old-squaw, 8; White-winged Scoter, 220; Surf Scoter, 2; Hooded Merganser, 12; Am. Merganser, 37; Red-shouldered Hawk, 3; Sparrow Hawk, 7; Am. Coot, **450** (on Lake Gaillard); Killdeer, 12; Great Black-backed

Gull, 40; Herring Gull, 1050; Ring-billed Gull, 400; Bonaparte's Gull, 150; Mourning Dove, 19; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 9; Horned Lark, 10; Blue Jay, 87; Am. Crow, 44; Black-capped Chickadee, 148; Tufted Titmouse, 6; White-breasted Nuthatch, 18; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 8; Eastern Bluebird, 10; Common Starling, 793; House Sparrow, 195; Eastern Meadowlark, 9; Purple Grackle, 20; Brown-headed Cowbird, 33; Cardinal, 2; Evening Grosbeak, 6; Purple Finch, 2; Am. Goldfinch, 4; Slate-colored Junco, 142; Am. Tree Sparrow, 66; Field Sparrow, 4; White-throated Sparrow, 10; Song Sparrow, 30. **Total,** 55 species; about 11,415 individuals. (Seen census period: Redhead, Ring-necked Duck, Turkey Vulture, Bald Eagle, Ruffed Grouse, Pine Siskin, Pine Grosbeak.)—E. Atkins, J. B. Goetsch, S. Grant, M. Isler, S. Isler, M. Mack, E. Stephenson, E. Severinghaus, E. Stoddard, W. Stoddard (compiler).

66. **New London, Conn.** (7½-mile radius centering on intersection of Gardner and Ocean Avenues, including L. I. Sound from Rocky Neck to Masons Island, Thames River north to Gales Ferry, and western two-thirds of Fishers Island; shore and sound 45%, estuaries and bays 10%, marsh 2%, lakes 3%, deciduous woodland 15%, brushland 8%, fields 7%, suburban 10%).—Dec. 28; 6:45 a.m. to 5:30 p.m. Overcast; temp. 30° to 45°; wind W to SW, 0-10 m.p.h.; ground bare, fresh water open. Thirty-two observers in 10 parties. Total party-hours, 64 (23 on foot, 39 by car, 2 by boat); total party-miles, 178 (25 on foot, 145 by car, 8 by boat). Common Loon, 14; Red-throated Loon, 12; Horned Grebe, 303; Pied-billed Grebe, 5; European Cormorant, 33; Great Blue Heron, 23; Black-crowned Night Heron, 20; Mute Swan, 35; Canada Goose, 47; Mallard, 331; Black Duck, 830; **European Widgeon, 2**; Am. Widgeon, 64; Pintail, 2; Green-winged Teal, 20; Canvas-back, 15; Greater Scaup, 264; Lesser Scaup, 466; Am. Golden-eye, 310; Buffle-head, 347; Old-squaw, 21; White-winged Scoter, 24; Surf Scoter, 46; Am. Scoter, 1; Hooded Merganser, 30; Am. Merganser, 17; Red-breasted Merganser, 210; **Goshawk, 1**; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 6; **Pigeon Hawk, 1** (Goodwin party); Sparrow Hawk, **15**; Bob-white, 10; Ring-necked Pheasant, 12; Am. Coot, 12; **Killdeer, 3**; Purple Sandpiper, 1; **Iceland Gull, 1**; Great Black-backed Gull, 41; Herring Gull, 2045; Ring-billed Gull, 290; Laughing Gull, 1; Bonaparte's Gull, 38; Barn Owl, 2; Horned Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 10; Hairy Woodpecker, 15; Downy Woodpecker, 46; Horned Lark, 2; Blue Jay, 167; Am. Crow, 149; Fish Crow, 3; Black-capped Chickadee, 241; Tufted Titmouse, 3; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 9; Brown Creeper, 7; Carolina Wren, 21; Catbird, 3; Brown Thrasher, 1; Am. Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 35; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 6; Common Starling, 1507; Myrtle Warbler, 93; House Sparrow, 482; Eastern Meadowlark, 7; Red-winged Blackbird, 201; Purple Grackle, 1; Brown-headed Cowbird, 19; Cardinal, **8**; Evening Grosbeak, 35; Purple Finch, 23; Pine Grosbeak, 5; Common Redpoll, 3; Am. Goldfinch, 51; **White-winged Crossbill, 1**; Eastern Towhee, 3; Slate-colored Junco, 240; Am. Tree Sparrow, 61; Field Sparrow, 17; **White-crowned Sparrow, 4**; White-throated Sparrow, 143; Fox Sparrow, 11; Song Sparrow, 89. **Total,** 90 species; about 9758 individuals. (Seen count period: Mourning Dove, Pine Siskin.)—Mr. and Mrs. Kenneth Bates, Mrs. Robert Bixler, Lawrence Brooks, Walter M. Brown, Bertram G. Bruestle, John Chadwick, Mrs. Barry Dench, Mrs. Mary L. Duryea, Mr. and Mrs. Frank Eastman, Henry L. Ferguson, H. Lee Ferguson, Jr., Henry L. Ferguson III, Mr. and Mrs. Paul Garrett, Richard H. Goodwin (compiler), Richard H. Goodwin, Jr., Ann Harrington, Mrs. Richard Harrington, Mrs. Harold Hemond, Mrs. Franklin Maynard, Mrs. Douglas MacGregor, Mrs. John Merrill, Mrs. John Meyers, William A. Niering, Richard R. Noss, Maynard Peterson, Mrs. Frank Schubert, Stephen E. Stuntz, Mr. and Mrs. Paul H. R. Waldron, William Wylie.

67. **Oxford, Conn.** (area enclosed by and adjacent to Route 188, Edmonds Road, Eight Mile Brook, O'Neill Road, Copper Mine Road, Housatonic River; brushland 40%, woodland 20%, open land 10%, river shore 15%, suburban 15%).—Dec. 23; 6:30 a.m. to 4:45 p.m. Clear, few clouds; temp. 30° to 44°; wind W, 7-14 m.p.h.; no snow, ponds open, brooks and rivers high. One observer. Total hours, 10¼ (10 on foot, ¼ by car); total miles, 22 (16 on foot, 6 by car). Black Duck, 2; Am. Golden-eye, 1; Red-tailed Hawk, 1; Ruffed Grouse, 2; Herring Gull, 18; Belted Kingfisher, 1; Hairy Woodpecker, 5; Downy Woodpecker, 2; Blue Jay, 21; Am. Crow, 17; Black-capped Chickadee, 58; White-breasted Nuthatch, 4; Winter Wren, 1; **Carolina Wren, 1**; Am. Robin, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 1; Common Starling, 158; Myrtle Warbler, 5; House Sparrow, 35; Cardinal, 4; Purple Finch, 2; Am. Goldfinch, 2; Slate-colored Junco, 34; Am. Tree Sparrow, 14; **Chipping Sparrow, 1** (carefully identified); Field Sparrow, 1; Song Sparrow, 2. **Total,** 28 species; about 400 individuals.—Alfred P. Harger.

68. **Storrs, Conn.** (Mansfield plus adjacent parts of Willington, Coventry, Chaplin and Ashford, all within a 15-mile diameter circle; deciduous woodland 20%, coniferous woodland 10%, brushland 15%, fields and pastures 30%, suburban 10%, ponds and swamps 15%).—Dec. 28; 7 a.m. to 5 p.m. Partly cloudy; temp. 25° to 40°; wind SE, light; ground bare, ponds open. Twenty observers in 12 parties, plus 8 feeding stations. Total party-hours, 68 (58 on foot, 10 by car); total party-miles, 205 (55 on foot, 150 by car). Great Blue Heron, 1; Black Duck, 8; Am. Golden-eye, 5; Hooded Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 5; Sparrow Hawk, 2; Ruffed Grouse, 21; Herring Gull, 22; Mourning Dove, 49; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Wood-

pecker, 24; Downy Woodpecker, 53; Horned Lark, 27; Blue Jay, 189; Am. Crow, 165; Black-capped Chickadee, 310; White-breasted Nuthatch, 66; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 1; **Mockingbird, 1** (present all Dec.); Brown Thrasher, 1; Am Robin, 7; Eastern Bluebird, 11; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Water Pipit, 2; Gray Shrike, 1; Common Starling, 919; House Sparrow, 563; Eastern Meadowlark, 6; **Dickcissel, 1** (present all month, banded); Evening Grosbeak, 6; Purple Finch, 23; Pine Grosbeak, 5; Common Redpoll, 2; Am. Goldfinch, 305; Slate-colored Junco, 346; Am. Tree Sparrow, 195; **Chipping Sparrow, 2** (present all month, banded); Field Sparrow, 4; White-throated Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 38. **Total,** 47 species; about 3413 individuals. (Am. Merganser, Red-shouldered Hawk, Pileated Woodpecker, Eastern Phoebe, Purple Grackle, Brown-headed Cowbird, Pine Siskin, Fox Sparrow seen during period.) [Exceptionally neat, carefully prepared report—ED.]—Mrs. T. W. Chomiak, Mrs. C. H. Coogan, Mrs. N. T. Davis, David Dean, Mrs. C. H. Havens, Mrs. Winthrop Hilding, Mrs. Byron Janes, Mrs. B. O. Linnevold, Jerauld A. Manter, Richard May, Franklin McCamey (compiler), Mrs. Walter Meigs, Mrs. Samuel A. Morse, Mrs. G. H. Passmore, Walter Pudelkiewicz, Mrs. Harold Schwenk, James A. Slater, Roberta K. Smith, Herbert G. Tag, Hans Weber (Natchaug Ornithological Society).

69. Waterbury, Conn. (7-mile radius centering on Riverside Cemetery, south to Naugatuck, Millville and Hop Brook, west to Middlebury and Lake Quassapaug Pond, northeast to Lakewood Ponds and Chestnut Hill Reservoir).—Dec. 29; 8 a.m. to 4:30 p.m. Fair; temp. 40° to 58°; wind N to NW, 3-15 m.p.h.; streams, ponds and lakes free of ice, no snow. Eighteen observers in 14 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 53 (10 on foot, 43 by car). Buffle-head, 1; **Goshawk, 1**; Ruffed Grouse, 2; Herring Gull, 110; Mourning Dove, 2; Belted Kingfisher, 1; Hairy Woodpecker, 10; Downy Woodpecker, 21; Blue Jay, 37; Am. Crow, 107; Black-capped Chickadee, 118; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Common Starling, 295; House Sparrow, 285; Purple Grackle, 50, Cardinal, 3; Purple Finch, 11; Am. Goldfinch, 7; **Eastern Towhee, 1**; Slate-colored Junco, 98; Am. Tree Sparrow, 15; White-throated Sparrow, 4; Song Sparrow, 5. **Total,** 28 species; about 1208 individuals. —Mrs. C. L. Berger, Mrs. M. A. Broadhead, M. Brown, V. Desrochers, W. P. Green, J. Grumman, M. Grumman, Mrs. C. Hayward, Mr. and Mrs. H. Holton, Mrs. P. E. Rice, Mrs. J. Schmuck, Mrs. E. K. Slack, E. B. Slack (compiler), M. Stoddard, Mrs. C. B. Timberlake, M. Yanikuny, A. Zukauskas (Waterbury Naturalist Club and Naugatuck Bird Club).

70. Westport, Conn. (area and habitat percentages same as past years).—Dec. 28; 7:30 a.m. to 4:45 p.m. Cloudy; temp. 22° to 36°; wind S to SE, 0-10 m.p.h.; ground bare, all waters open. Thirty-seven observers in 17 parties. Total party-hours, 87 (49 on foot, 36 by car, 2 on horseback); total party-miles, 453 (49 on foot, 395 by car, 9 on horseback). Common Loon, 2; Red-throated Loon, 14; Horned Grebe, 255; European Cormorant, 10; Great Blue Heron, 11; Black-crowned Night Heron, 18; Mute Swan, 17; Canada Goose, 2; Mallard, 844; Black Duck, 1854; Am. Widgeon, 40; Pintail, 1; Wood Duck, 1; Ring-necked Duck, 2; Canvas-back, 1; Greater Scaup, **16,558**; Lesser Scaup, 300; Am. Golden-eye, 204; Buffle-head, 224; Oldsquaw, 407; White-winged Scoter, 519; Surf Scoter, 123; Am. Scoter, 14; Hooded Merganser, 4; Am. Merganser, 45; Red-breasted Merganser, 64; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 15; Marsh Hawk, 1; Sparrow Hawk, 12; Ruffed Grouse, 5; Ring-necked Pheasant, 12; Clapper Rail, 5; Am. Coot, 2; Killdeer, 17; Black-bellied Plover, 11; **Ruddy Turnstone, 1** (J.Y., P.C.S.); Greater Yellow-legs, 1; Red-backed Sandpiper, 75; **Semipalmated Sandpiper, 1** (carefully identified); Great Black-backed Gull, 110; Herring Gull, 6605; Ring-billed Gull, 99; Mourning Dove, 251; Barn Owl, 1; Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 7; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 82; Downy Woodpecker, 171; Blue Jay, 201; Am. Crow, 445; Fish Crow, 1; Black-capped Chickadee, 861; Tufted Titmouse, 96; White-breasted Nuthatch, 179; Red-breasted Nuthatch, 3; Brown Creeper, 24; Winter Wren, 7; Carolina Wren, 13; **Mockingbird, 1**; **Catbird, 3**; Brown Thrasher, 1; Am. Robin, 39; Hermit Thrush, 1; Eastern Bluebird, 166; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 3; Cedar Waxwing, 11; Gray Shrike, 1; Common Starling, 1895; Myrtle Warbler, 21; **Yellow-breasted Chat, 1**; House Sparrow, 760; Eastern Meadowlark, 75; Red-winged Blackbird, 1; Rusty Blackbird, 6; Brown-headed Cowbird, 274; Cardinal, 83; **Dickcissel, 2**; Evening Grosbeak, 3; Purple Finch, 28; **House Finch, 52** (colony near Fairfield); Pine Siskin, 4; Am. Goldfinch, 143; Eastern Towhee, 3; Savannah Sparrow, 2; Slate-colored Junco, 875; Am. Tree Sparrow, 366; **Chipping Sparrow, 5**; Field Sparrow, 97; White-crowned Sparrow, 1; White-throated Sparrow, 199; Fox Sparrow, 5; Swamp Sparrow, 18; Song Sparrow, 174. **Total,** 101 species; about 36,215 individuals. (In area count period: Baltimore Oriole, Common Redpoll.)—Laura Allen, Mrs. G. H. V. Baker, E. Beddall, L. Bradley (compiler), Alice Bristow, Helen Bristow, Mr. and Mrs. M. Brown, Sam Brown, H. Coombs, L. Coombs, E. Eager, J. Farrand, B. Ficke, Mr. and Mrs. A. C. Foster, Barbara Gray, A. Harger, Martha Kline, R. S. Lemmon, Mrs. R. Macdonald, Mr. and Mrs. C. W. Maschal, F. Novak, Mr. and Mrs. G. S. Peer, N. Pettingell, Mrs. E. Rover, Mrs. M. Samuelson, P. C. Spofford, M. Schwartz, B. Wood, J. Wood, Constance Young, F. A. Young, J. Young, G. Zepko. (Westport Audubon Society, with co-operation of Connecticut Audubon Society and New Canaan Bird Protection Society).

71. **Brooklyn, L. I., N. Y.** (area and percentages same as last year).—Dec. 21; 7 a.m. to 4:30 p.m. Cloudy, clearing by noon; temp. 52° to 44°; wind SW, 10-15 m.p.h. Twenty-three observers in 7 parties. Total party-hours, 68 (all on foot); total party-miles, 75 (all on foot). Common Loon, 2; Red-throated Loon, 3; Horned Grebe, 399; Pied-billed Grebe, 2; Gannet, 3; European Cormorant, 1; Double-crested Cormorant, 1; Great Blue Heron, 11; **Am. Egret**, 2; Black-crowned Night Heron, 42; **Yellow-crowned Night Heron, 1**; Am. Bittern, 2; Am. Brant, 1465; **Snow Goose, 8** (E.J.W.); Mallard, 101; Black Duck, 1151; Gadwall, 2; European Widgeon, 1; Am. Widgeon, 3100; Pintail, 12; Green-winged Teal, 30; Blue-winged Teal, 2; Shoveller, 8; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 3; Canvas-back, 151; Greater Scaup, 6172; Lesser Scaup, 3; Am. Golden-eye, 13; Buffle-head, 186; Old-squaw, 13; White-winged Scoter, 29; Surf Scoter, 2; Am. Scoter, 4; Ruddy Duck, 100; Hooded Merganser, 11; Am. Merganser, 25; Red-breasted Merganser, 62; Red-tailed Hawk, 1; Marsh Hawk, 10; Sparrow Hawk, 34; Ring-necked Pheasant, 1; Clapper Rail, 6; Am. Coot, 150; Killdeer, 26; Black-bellied Plover, 30; Purple Sandpiper, 32; Red-backed Sandpiper, 44; Sanderling, 424; Iceland Gull, 1; Great Black-backed Gull, 984; Herring Gull, 19,500; Ring-billed Gull, 260; Laughing Gull, 4; Bonaparte's Gull, 450; **Black-legged Kittiwake, 2**; Razor-billed Auk, 1; Dovekie, 1; Mourning Dove, 49; Screech Owl, 1; Short-eared Owl, 14; Yellow-shafted Flicker, 8; Hairy Woodpecker, 5; Downy Woodpecker, 10; Horned Lark, 63; Blue Jay, 28; Am. Crow, 9; Fish Crow, 4; Black-capped Chickadee, 34; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 6; Brown Creeper, 1; Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 45; Hermit Thrush, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 8; Common Starling, 28,000; Myrtle Warbler, 58; Palm Warbler, 1; House Sparrow, 1533; Eastern Meadowlark, 33; Red-winged Blackbird, 27; Rusty Blackbird, 1; Purple Grackle, 7; Brown-headed Cowbird, 114; Cardinal, 9; Evening Grosbeak, 6; Purple Finch, 3; House Finch, 24; Common Redpoll, 1; Am. Goldfinch, 67; White-winged Crossbill, 3; Eastern Towhee, 4; Ipswich Sparrow, 3; Savannah Sparrow, 89; Seaside Sparrow, 1; Vesper Sparrow, 2; Slate-colored Junco, 62; Am. Tree Sparrow, 60; Field Sparrow, 3; White-throated Sparrow, 39; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 84; Lapland Longspur, 1; Snow Bunting, 4. **Total,** 111 species; about 65,641 individuals. (Seen count period: **Eared Grebe,** Ringed Plover, Glaucous Gull, Greater Yellow-legs, Red Knot, Catbird, Pine Siskin.)—Jeff Carleton, Matt Cashman, Bob Clermont, Ezra Feinberg, Martin Glembourtt, Ray Hendrick, Herb Johnson, Dave Kreissman, Joe McNulty, John Mayer, Herman Meyerdierks, Joe Nielsen, Irene Parks, Peter Post, George Rose, Fred Schaeffer, Pauline Schiff, Henry Schiffer, Esther Swayer, Mary Tremaine, Janet Watson, Maxwell Wheat, Ed Whelen (compiler).

72. **Central Suffolk County, L. I., N. Y.** (same area and coverage as preceding years; deciduous woods 20%, cultivated fields 5%, overgrown fields 5%, residential areas 10%, fresh-water ponds and swamps 30%, bay and salt marsh 25%, outer beach and ocean 5%).—Dec. 27; 6:30 a.m. to 5 p.m. Mostly clear, few low clouds; temp. 38° to 45°; wind WSW to WNW, 10-20 m.p.h.; ground bare, water open. Fifteen observers in 7 parties. Total party-hours, 57 (35 on foot, 21 by car, 1 by boat); total party-miles, 253 (44 on foot, 202 by car, 7 by boat.). Common Loon, 3; Red-throated Loon, 1; Horned Grebe, 86; Pied-billed Grebe, 23; Gannet, 10; cormorant (sp.), 1; Great Blue Heron, 23; Black-crowned Night Heron, 27; Am. Bittern, 3; Mute Swan, 49; Canada Goose, 60; Mallard, 224; Black Duck, 2303; Am. Widgeon, 149; Pintail, 2; Green-winged Teal, 50; Wood Duck, 1; Redhead, 222; Ring-necked Duck, 12; Canvas-back, 246; Greater Scaup, 397; Lesser Scaup, 75; Am. Golden-eye, 12; Buffle-head, 94; Old-squaw, 2; White-winged Scoter, 2; Am. Scoter, 1; Ruddy Duck, 1; Hooded Merganser, 40; Am. Merganser, 6; Red-breasted Merganser, 13; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 8; Ruffed Grouse, 1; Bob-white, 108; Ring-necked Pheasant, 10; Virginia Rail, 3; Am. Coot, 107; **Piping Plover, 1** (close range—L.W.); Killdeer, 4; Red-backed Sandpiper, 7; Sanderling, 55; Great Black-backed Gull, 98; Herring Gull, 574; Ring-billed Gull, 117; Mourning Dove, 39; Barn Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 14; Horned Lark, 42; Blue Jay, 85; Am. Crow, 63; Black-capped Chickadee, 85; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 8; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 2; Long-billed Marsh Wren, 4; **Short-billed Marsh Wren, 2**; Am. Robin, 15; Golden-crowned Kinglet, 6; **Ruby-crowned Kinglet, 1**; Common Starling, 6762; Myrtle Warbler, 23; **Yellow-breasted Chat, 1** (present for several weeks); House Sparrow, 247; Eastern Meadowlark, 72; Red-winged Blackbird, 61; Brown-headed Cowbird, 9; **Cardinal, 7**; Purple Finch, 4; Pine Siskin, 4; Am. Goldfinch, 50; Eastern Towhee, 1; Ipswich Sparrow, 3; Savannah Sparrow, 11; Slate-colored Junco, 126; Am. Tree Sparrow, 63; Field Sparrow, 19; White-throated Sparrow, 129; Fox Sparrow, 3; Swamp Sparrow, 19; Song Sparrow, 59; Snow Bunting, 3. **Total,** 91 species; about 13,325 individuals. (Seen in area during period: Am. Brant, Sharp-shinned Hawk, Dovekie, Tree Swallow, Brown Thrasher, Cedar Waxwing, Purple Grackle, Evening Grosbeak, White-winged Crossbill.)—Harold Evans, Michael Ince, Tillie Krucoff, Eva Lukert, Tom Morris, C. F. Nichols, J. T. Nichols, Larry Penny, Ruth Porter, Dennis Puleston, Dennis E. Puleston, Peter Puleston, Gilbert S. Raynor (compiler), Paul Stoutenburg, Leroy Wilcox.

73. **Montauk, L. I., N. Y.** (same area as in previous years).—Dec. 21; 6:30 a.m. to 5 p.m. Overcast to partly cloudy; temp 45° to 55°; wind W, 10-25

m.p.h.; ground bare, all fresh water open. Three observers in 3 parties. Total party-hours, 31 (26 on foot, 5 by car); total party-miles, 135 (45 on foot, 90 by car). Common Loon, 28; Red-throated Loon, 24; Red-necked Grebe, 3; Horned Grebe, 65; Gannet, 600; European Cormorant, 6; Double-crested Cormorant, 1; Great Blue Heron, 1; Mute Swan, 19; Canada Goose, 1; **Snow Goose, 9**; Black Duck, 3; Greater Scaup, 143; Am. Golden-eye, 45; Buffle-head, 4; Old-squaw, 16; Common Eider, 3; White-winged Scoter, 820; Surf Scoter, 110; Am. Scoter, 42; Red-breasted Merganser, 261; Cooper's Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 7; **Pigeon Hawk, 1** (N.B.); Sparrow Hawk, 18; Ring-necked Pheasant, 2; Am. Coot, 46; Wilson's Snipe, 1; Great Black-backed Gull, 405; Herring Gull, 4450; Ring-billed Gull, 40; Bonaparte's Gull, 237; Black-legged Kittiwake, 2; **Common Tern, 1** (carefully studied—R. R.); **Dovekie, 1** (N.B., H.R.); Mourning Dove, 3; Barn Owl, 2; Screech Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 41; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 2; Blue Jay, **327**; Am. Crow, 39; Black-capped Chickadee, 30; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 12; Catbird, 1; Am. Robin, 70; Hermit Thrush, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Common Starling, 200; Myrtle Warbler, 250; Palm Warbler, 4; House Sparrow, 50; Red-winged Blackbird, 4; Brown-headed Cowbird, 17; Common Redpoll, 20; Pine Siskin, 8; Am. Goldfinch, 34; Eastern Towhee, 8; Savannah Sparrow, 7; Slate-colored Junco, 1; Am. Tree Sparrow, 40; Field Sparrow, 6; White-throated Sparrow, 98; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 18; Snow Bunting, 1. **Total,** 73 species; about 8722 individuals.—Ned R. Boyajian (compiler), Henry J. Ryan, Richard H. Ryan. [On Dec. 28 another group consisting of P. Buckley (compiler), M. Cashman, F. Frazier, J. Harte, K. Harte, R. Kane, P. Post, R. Scully and N. Smith covered essentially the same area and recorded **87 species** and 10,829 individuals. Birds reported by this group not listed on the official Montauk report are: Mallard, 4; Redhead, 1; Lesser Scaup, 2; **Harlequin Duck, 2**; **King Eider, 5**; Red-tailed Hawk, 2; Bob-white, 2; Clapper Rail, 1; Virginia Rail, 1; Killdeer, 1; Purple Sandpiper, 10; Glaucous Gull, 1; Iceland Gull, 1; Laughing Gull, 1; Razor-billed Auk, 1; **Brünnich's Murre, 1**; Saw-whet Owl, 1; Carolina Wren, 1; **Mockingbird, 3**; Brown Thrasher, 1; **Baltimore Oriole, 3**; Rusty Blackbird, 1; Purple Grackle, 2; Cardinal, 1; Ipswich Sparrow, 1. Thus a total of 98 species was recorded on the 2 Montauk counts.

The smaller count was published in its entirety since Ned Boyajian who has compiled a Montauk count for many successive years deserved priority according to published C. B. C. rules. **Established counts have priority.** In the future even the summary of an intruding count will not be published—ED.]

74. Northern Nassau County, L. I., N. Y. (same area as in previous years).—Dec. 29; 6 a.m. to 6 p.m. Partly cloudy; temp. 40° to 50°; wind 5 m.p.h. Thirty-one observers in 10 parties. Total party-hours, 60; total party-miles, 321 (58 on foot, 263 by car). Common Loon, 5; Red-throated Loon, 4; Horned Grebe, 183; European Cormorant, 12; Great Blue Heron, 10; Black-crowned Night Heron, 14; Mute Swan, 52; Canada Goose, 11; Mallard, 310; Black Duck, 741; Gadwall, 1; Am. Widgeon, 84; Green-winged Teal, 3; Canvas-back, 170; Greater Scaup, 1416; Lesser Scaup, 23; Am. Golden-eye, 154; Buffle-head, 10; Old-squaw, 302; White-winged Scoter, 506; Surf Scoter, 257; Am. Scoter, 17; Hooded Merganser, 4; Red-breasted Merganser, 106; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Sparrow Hawk, 5; Bob-white, 10; Ring-necked Pheasant, 7; Clapper Rail, 1; Am. Coot, 13; Killdeer, 21; Greater Yellow-legs, 1; Great Black-backed Gull, 78; Herring Gull, 3977; Ring-billed Gull, 251; Laughing Gull, 2; Mourning Dove, 158; Screech Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 16; Hairy Woodpecker, 18; Downy Woodpecker, 60; Eastern Phoebe, 1; Horned Lark, 75; Blue Jay, 58; Am. Crow, 436; Fish Crow, 8; Black-capped Chickadee, 137; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 7; Brown Creeper, 5; **House Wren, 1**; Winter Wren, 3; Carolina Wren, 10; Catbird, 3; Am. Robin, 66; Hermit Thrush, 1; **Olive-backed Thrush, 1** (carefully identified—J.L.); Eastern Bluebird, 16; Golden-crowned Kinglet, 7; Common Starling, 2372; **Orange-crowned Warbler, 1** (carefully identified—L.W.); Myrtle Warbler, 162; House Sparrow, 249; Eastern Meadowlark, 8; Red-winged Blackbird, 5; Rusty Blackbird, 14; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 33; Purple Finch, 18; House Finch, 64; Pine Siskin, 37; Am. Goldfinch, 163; Eastern Towhee, 9; Savannah Sparrow, 3; Vesper Sparrow, 6; Slate-colored Junco, 580; Am. Tree Sparrow, 155; Field Sparrow, 99; White-throated Sparrow, 309; Fox Sparrow, 2; Swamp Sparrow, 7; Song Sparrow, 147. **Total,** 87 species; about 14,365 individuals. (Yellow-bellied Sapsucker seen count period.)—Karl Arbo, Bob Califf, Aline Dove, Orville Dunning, Maitland Edey, Julia Fairchild, Paul Gillen, Jr. (compiler), Jill Lamoureaux, Stuart Ludlam, Eugene Mudge, John Ricks, Richard Sala, Muriel Stevenson, James Waite, Peter Wickam, Elizabeth Worley, Leonard Worley (Lyman Langdon Audubon Society).

75. Orient, L. I., N. Y. (area as in 1950).—Dec. 27; 7 a.m. to 5:10 p.m. Fair; wind NNW, strong. Six observers in 2 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 38 (14 on foot, 24 by car). Common Loon, 10; Red-throated Loon, 8; Red-necked Grebe, 1; Horned Grebe, 65; European Cormorant, 1; Great Blue Heron, 3; Black-crowned Night Heron, 1; Mallard, 2; Black Duck, 172; Greater Scaup, 4; Am. Golden-eye, 190; Buffle-head, 3; Old-squaw, 275; Common Eider, 1; White-winged Scoter, 575; Surf Scoter, 20; Am. Scoter, 4; Red-breasted Merganser, 5; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Clapper Rail, 1; Black-bellied Plover, 1; Wilson's

Snipe, 3; Great Black-backed Gull, 45; Herring Gull, 900; Ring-billed Gull, 24; Mourning Dove, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 207; Blue Jay, 2; Am. Crow, 4; Black-capped Chickadee, 11; Red-breasted Nuthatch, 2; Carolina Wren, 4; Ruby-crowned Kinglet, 1; Water Pipit, 1; Loggerhead Shrike, 1; Common Starling, 325; Myrtle Warbler, 10; Palm Warbler, 1; House Sparrow, 100; Eastern Meadowlark, 28; Red-winged Blackbird, 7; Purple Grackle, 3; Brown-headed Cowbird, 3; Purple Finch, 5; Pine Siskin, 1; Am. Goldfinch, 4; White-winged Crossbill, 7; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 31; Am. Tree Sparrow, 7; Field Sparrow, 15; White-crowned Sparrow, 1; White-throated Sparrow, 17; Song Sparrow, 55; Lapland Longspur, 3; Snow Bunting, 4. **Total,** 63 species; about 3185 individuals.—Henry H. Collins, Kenneth Cooper, Richard E. Harrison, Stuart Horton, Robert S. Mathews (compiler), Henry Vail.

76. **Smithtown, L. I., N. Y.** (7½-mile radius centering on Smithtown, including Nissequogue River area, Sound shore from Short Beach to Long Beach, Old Field Point, St. James and Stony Brook Harbors; pasture 20%, deciduous farm woodlots 50%, salt marsh 25%, pine grove 5%).—Dec. 27; 4:30 a.m. to 5 p.m. Clear; temp. 41° to 44°; wind NW, 20-35 m.p.h.; ponds and inland marshes unfrozen. Three observers in 3 parties. Total party-hours, 37 (25 on foot, 12 by car); total party-miles, 176 (34 on foot, 142 by car). Common Loon, 10; Horned Grebe, 150; Pied-billed Grebe, 6; Great Blue Heron, 4; Black-crowned Night Heron, 37; Mute Swan, 11; Canada Goose, 18; Mallard, 150; Black Duck, 1150; Am. Widgeon, 75; Pintail, 5; Shoveller, 1; Wood Duck, 1; Ring-necked Duck, 55; Canvas-back, 1; Greater Scaup, 95; Lesser Scaup, 3; Am. Golden-eye, 25; Buffle-head, 10; Old-squaw, 79; White-winged Scoter, 135; Surf Scoter, 65; Am. Scoter, 2; Ruddy Duck, 1; Red-breasted Merganser, 20; Sparrow Hawk, 1; Bob-white, 39; Ring-necked Pheasant, 8; Great Black-backed Gull, 100; Herring Gull, 1500; Ring-billed Gull, 350; Mourning Dove, 12; Screech Owl, 1; Horned Owl, 1; **Snowy Owl, 1**; Belted Kingfisher, 7; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 7; Horned Lark, 23; Blue Jay, 12; Am. Crow, 30; Fish Crow, 18; Black-capped Chickadee, 29; White-breasted Nuthatch, 13; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 7; Long-billed Marsh Wren, 1; Catbird, 1; Brown Thrasher, 2; Am. Robin, 1; Golden-crowned Kinglet, 6; Common Starling, 55; Myrtle Warbler, 1; House Sparrow, 70; Eastern Meadowlark, 5; Red-winged Blackbird, 7; Rusty Blackbird, 2; Cardinal, 5; Purple Finch, 4; Pine Siskin, 6; Am. Goldfinch, 44; Eastern Towhee, 1; Slate-colored Junco, 78; Am. Tree Sparrow, 49; Field Sparrow, 2; White-throated Sparrow, 75; Swamp Sparrow, 9; Song Sparrow, 90. **Total,** 69 species; about 4793 individuals.—James Grier Ralston, Robert Ralston (compiler), Walton B. Sabin.

77. **Southern Nassau County, L. I., N. Y.** (Atlantic Beach to Jones Beach, north to Garden City and East Meadow; circle centered in Baldwin Bay; parks and suburban area 40%, beaches and bays 30%, ocean 30%).—Dec. 29; 6 a.m. to 11 p.m. Clear; temp. 40° to 49°; wind NW, 5-10 m.p.h.; heavy rain ending about 6:30 a.m., ponds open. Thirty-eight observers in 10 parties. Total party-hours, 102 (82 on foot, 20 by car); total party-miles, 300 (100 on foot, 200 by car). Common Loon, 10; Red-throated Loon, 25; Horned Grebe, **306**; **Eared Grebe, 1** (studied carefully—P.B., M.J.); Pied-billed Grebe, 48; Gannet, 28; Great Blue Heron, 85; Black-crowned Night Heron, **170**; Am. Bittern, 4; Mute Swan, 14; Am. Brant, 2835; Mallard, **706**; Black Duck, 4802; Gadwall, 78; Am. Widgeon, 523; Pintail, 186; Green-winged Teal, 27; Shoveller, 60; Wood Duck, 1; Redhead, 4; Ring-necked Duck, 53; Canvas-back, **476**; Greater Scaup, 1144; Lesser Scaup, **103**; Am. Golden-eye, 50; Bufflehead, **94**; Old-squaw, 7; King Eider, **3**; White-winged Scoter, 2275; Surf Scoter, 363; Am. Scoter, 190; Ruddy Duck, **138**; Hooded Merganser, 46; Am. Merganser, 51; Red-breasted Merganser, 358; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 14; Peregrine Falcon, 1; Sparrow Hawk, **35**; Bob-white, 2; Ring-necked Pheasant, 5; Clapper Rail, 2; Am. Coot, **135**; **Ringed Plover, 2** (G.C., P.B.); Killdeer, 17; Black-bellied Plover, 36; Wilson's Snipe, 8; **Red Knot, 9**; Purple Sandpiper, **138**; Red-backed Sandpiper, **251**; Semipalmated Sandpiper, 1; Sanderling, 111; Iceland Gull, 1; Great Black-backed Gull, 754; Herring Gull, 12,178; Ring-billed Gull, 494; Bonaparte's Gull, 10; Black-legged Kittiwake, 3; Mourning Dove, **222**; Barn Owl, 1; Screech Owl, 1; Snowy Owl, 1; Short-eared Owl, 7; Saw-whet Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, **51**; Yellow-bellied Sapsucker, **2**; Hairy Woodpecker, 12; Downy Woodpecker, **39**; Horned Lark, 172; **Tree Swallow, 1**; Blue Jay, 180; Am. Crow, 113; Fish Crow, 1; Black-capped Chickadee, 198; White-breasted Nuthatch, **26**; Red-breasted Nuthatch, 21; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, **4**; Long-billed Marsh Wren, 2; Mockingbird, 2; Catbird, 2; Brown Thrasher, 2; Am. Robin, 25; Hermit Thrush, 5; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 3; Water Pipit, 3; Cedar Waxwing, 1; Gray Shrike, 1; Loggerhead Shrike, 2; Common Starling, 5780; Myrtle Warbler, 258; Palm Warbler, 1; **Yellow-breasted Chat, 1**; House Sparrow, 704; Eastern Meadowlark, 141; Red-winged Blackbird, 559; Purple Grackle, 3; Brown-headed Cowbird, 126; Cardinal, 15; House Finch, 43; Pine Siskin, 202; Am. Goldfinch, 88; Red Crossbill, 14; White-winged Crossbill, 18; Eastern Towhee, 1; Ipswich Sparrow, 2; Savannah Sparrow, 73; Sharp-tailed Sparrow, 2; Seaside Sparrow, 2; Vesper Sparrow, 4; Slate-colored Junco, **504**; Am. Tree Sparrow, 186; Field Sparrow, 71; White-throated Sparrow, 219; Fox Sparrow, 36; Swamp Sparrow, 36; Song Sparrow, 362; Snow Bunting, 75. **Total,** 123 species; about 40,109 individuals. (Green Heron, Baltimore Oriole seen count period.)—Irwin Alperin, Roy

Aranella, Benjamin Berliner, Ned Boyajian, Paul Buckley, John L. Bull, Jr., Irving Cantor, Geoffrey Carleton, Henry Collins, Kenneth Cooper, Harry Darrow, Mr. and Mrs. Willard Doyle, Eugene Eisenmann, John Elliott, Richard Harrison, Helen Hirschbein, Malcolm Jacobson, Henry Justus, Peter Kirk, Emanuel Levine, Locke Mackenzie, Michael Mackenzie, Jerome Maisel, John Mayer, Edmund Morgan, William Norse, Alan Penberthy, Anthony Pinnavia, Roger Preisick, Robert Rorden, Richard A. Sloss (compiler), Mrs. Richard Sloss, Herbert Stein, Esther Swayer, Mrs. Harold Taylor, Cornelius Ward, Edward J. Whelen.

78. Quogue to Watermill, L. I., N. Y. (same area as last year).—Dec. 21; 6:30 a.m. to 5:50 p.m. Cloudy a.m., clear p.m.; temp. 50° to 50°; wind SW, 10-20 m.p.h. Two observers in 2 parties. Total party-hours, 18; total party-miles, 140 (4 on foot, 136 by car). Common Loon, 3; Horned Grebe, 272; Pied-billed Grebe, 6; Great Blue Heron, 36; Mute Swan, 30; Canada Goose, 575; Mallard, 71; Black Duck, 2317; Am. Widgeon, 72; Pintail, 11; Canvasback, 6; Greater Scaup, 370; Am. Golden-eye, 325; Buffle-head, 33; Old-squaw, 44; White-winged Scoter, 111; Surf Scoter, 13; Am. Scoter, 1; Ruddy Duck, 977; Hooded Merganser, 1; Red-breasted Merganser, 53; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 8; Bob-white, 16; Ring-necked Pheasant, 31; Am. Coot, 2; Killdeer, 1; Black-bellied Plover, 8; Wilson's Snipe, 1; Red-backed Sandpiper, 24; Sanderling, 365; Great Black-backed Gull, 51; Herring Gull, 877; Ring-billed Gull, 35; Bonaparte's Gull, 2; Mourning Dove, 3; Short-eared Owl, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 3; Horned Lark, 2; Blue Jay, 53; Am. Crow, 32; Black-capped Chickadee, 18; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Carolina Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 3; Common Starling, 542; Myrtle Warbler, 16; House Sparrow, 21; Eastern Meadowlark, 61; Red-winged Blackbird, 6; Brown-headed Cowbird, 200; Cardinal, 2; Pine Siskin, 60; Am. Goldfinch, 8; Eastern Towhee, 2; Savannah Sparrow, 3; Slate-colored Junco, 37; Am. Tree Sparrow, 1; Field Sparrow, 1; White-throated Sparrow, 17; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 14. **Total,** 68 species; about 7879 individuals. (In area count period: Gannet, Rough-legged Hawk, Snowy Owl.)—Christopher McKeever, Leroy Wilcox (compiler).

79. Binghamton, N. Y. (7½-mile radius centering ½ mile south of East Maine, including Chenango Valley State Park as last year).—Dec. 29; 6 a.m. to 5:30 p.m. Cloudy, clearing later; temp. 26° to 41°; wind SW to NW, 5-25 m.p.h.; ground bare, water unfrozen. Twelve observers in 6 parties. Total party-hours, 66 (44 on foot, 22 by car); total party-miles, 388 (35 on foot, 353 by car). Black Duck, 6; Cooper's Hawk, 2; Sparrow Hawk, 7; Ruffed Grouse, 6; Ring-necked Pheasant, 16; Herring Gull, 39; Ring-billed Gull, 2; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 3; Hairy Woodpecker, 21; Downy Woodpecker, 45; Horned Lark, 7; Blue Jay, 44; Am. Crow, 79; Black-capped Chickadee, 412; Tufted Titmouse, 3; White-breasted Nuthatch, 84; Red-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 2; Golden-crowned Kinglet, 25; Common Starling, 1735; Myrtle Warbler, 1; House Sparrow, 707; Purple Grackle, 2; Cardinal, 41; Evening Grosbeak, 196; Pine Grosbeak, 12; Common Redpoll, 135; Am. Goldfinch, 25; Slate-colored Junco, 15; Am. Tree Sparrow, 323; White-throated Sparrow, 1; Song Sparrow, 20. **Total,** 37 species; about 4030 individuals. (In area count week: Great Blue Heron, Mockingbird, Cedar Waxwing, Gray Shrike, Red Crossbill, White-crowned Sparrow.)—L. E. Bemont (compiler), T. Buckley, W. Corderman, T. Greene, R. Hock, Gail Marsi, Mrs. F. Marsi, Mr. and Mrs. R. P. Sheffield, Anna Topping, Dr. and Mrs. N. Washburn.

80. Bronx–Westchester Region, N. Y. (same area as in previous years).—Dec. 22; 5 a.m. to 6 p.m. Fair; temp. 42° to 52°; wind NW, 10-25 m.p.h.; ground bare, fresh water open. Forty-three observers in 11 parties. Total party-hours, 88 (60 on foot, 28 by car); total party-miles, 98 (62 on foot, 36 by car). Common Loon, 6; Red-throated Loon, 3; Horned Grebe, 116; Pied-billed Grebe, 5; Great Blue Heron, 21; Black-crowned Night Heron, 24; Am. Bittern, 3; Mute Swan, 9; Canada Goose, 142; Mallard, 470; Black Duck, 1485; Gadwall, 4; European Widgeon, 1; Am. Widgeon, 103; Pintail, 6; Green-winged Teal, 2; **Shoveller, 1**; Wood Duck, 4; Canvas-back, 2500; Greater Scaup, 10,550; Lesser Scaup, 6; Am. Golden-eye, 640; Buffle-head, **260**; Old-squaw, 9; White-winged Scoter, 20; Ruddy Duck, 95; Hooded Merganser, 43; Am. Merganser, 10; Red-breasted Merganser, 225; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, **12**; Rough-legged Hawk, 3; Sparrow Hawk, 26; Ring-necked Pheasant, 32; **King Rail, 1** (P.B.); Clapper Rail, **4**; Virginia Rail, **6**; Killdeer, 43; Am. Woodcock, 1; Wilson's Snipe, 1; Great Black-backed Gull, 170; Herring Gull, **23,000**; Ring-billed Gull, **510**; Laughing Gull, 1; Bonaparte's Gull, 5; Mourning Dove, 107; Screech Owl, 3; Horned Owl, 1; Barred Owl, 4; Long-eared Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 14; Hairy Woodpecker, 35; Downy Woodpecker, 81; Horned Lark, 18; **Tree Swallow, 1** (carefully identified—W.J.N.); Blue Jay, 325; Am. Crow, 180; Fish Crow, 6; Black-capped Chickadee, **775**; Tufted Titmouse, **37**; White-breasted Nuthatch, 89; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 4; Carolina Wren, **5**; **Short-billed Marsh Wren, 1** (D.L.); Catbird, 3; Brown Thrasher, 1; Am. Robin, **64**; Hermit Thrush, 2; Eastern Bluebird, 16; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Cedar Waxwing, 6; **Loggerhead Shrike, 2** (I.C., P.P.); Common Starling, 4250; Myrtle Warbler, 2; Palm Warbler, 1; House Sparrow, 910; Eastern Meadowlark, 100; Red-winged Blackbird, 205; Rusty Blackbird, 5; Purple Grackle, 5; Brown-headed Cowbird, **520**; Cardinal, **67**; Purple Finch, 18; **Common Redpoll, 2**; Pine Siskin, 14; Am. Goldfinch, 133; Eastern

Towhee, 8; Savannah Sparrow, 58; Vesper Sparrow, 8; Slate-colored Junco, 660; Am. Tree Sparrow, 275; Field Sparrow, 62; White-throated Sparrow, 300; Fox Sparrow, **60**; Swamp Sparrow, 27; Song Sparrow, 325; Snow Bunting, 1. **Total,** 103 species; about 50,409 individuals. (Seen in area count period: Peregrine Falcon, **Eastern Phoebe, Mockingbird, Yellow-breasted Chat, House Finch.**)—Paul A. Buckley, John L. Bull, Jr., Harold A. Busch, Irving Cantor (compiler), Geoffrey Carleton, Harry Darrow, Eugene Eisenmann, William A. Ephraim, Fred Goldberg, John Harte, Dr. and Mrs. M. Heffron, Joseph Horowitz, Richard Kane, R. Kesner, W. Kesner, George Komorowski, Daniel Lehrman, Robert L. Lehrman, Alfred Milch, William J. Norse, Joseph J. Orenstein, John B. Philips, William Pollack, Peter Post, G. Roger Preisick, Robert Scully, Richard Sloss, Paul Steinbeck, Al Thomas, Joel Weintraub, C. F. J. Young.

81. Buffalo, N. Y. (15-mile diameter circle centering on Grand Island as in previous years; open farmland 40%, deciduous woodlots 15%, parks 7%, Niagara River 20%, cattail marsh 1%, suburban and factory area 17%).—Dec. 22; 7 a.m. to 5:30 p.m. Clear to high broken clouds; temp. 28° to 40°; wind W, 5-10 m.p.h.; ground bare, water areas unfrozen. Thirty-one observers in 15 parties. Total party-hours, 96 (38 on foot, 58 by car); total party-miles, 366 (46 on foot, 320 by car). Common Loon, 5; Red-throated Loon, 1; Horned Grebe, **33**; **Eared Grebe,** 1 (carefully identified); Pied-billed Grebe, 2; Great Blue Heron, 13; Black-crowned Night Heron, 4; Mallard, 300; Black Duck, 468; Gadwall, 3; Am. Widgeon, 5; Pintail, **80**; Redhead, 8; Canvas-back, 8239; Greater Scaup, 1700; Lesser Scaup, 1; Am. Golden-eye, 2098; Buffle-head, 59; Old-squaw, 89; **Harlequin Duck, 2** (both males); White-winged Scoter, 8; Surf Scoter, 2; Hooded Merganser, 8; Am. Merganser, 2207; Red-breasted Merganser, 408; Cooper's Hawk, 3; Red-tailed Hawk, 30; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 42; Ring-necked Pheasant, 90; Am. Coot, 1; Glaucous Gull, 2; Great Black-backed Gull, **86**; Herring Gull, **10,331**; Ring-billed Gull, **5188**; Bonaparte's Gull, 523; Mourning Dove, 7; **Barn Owl, 2**; Screech Owl, 4; Horned Owl, 1; Short-eared Owl, 8; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 56; Horned Lark, 6; Blue Jay, 73; Am. Crow, 738; Black-capped Chickadee, **249**; White-breasted Nuthatch, **56**; Red-breasted Nuthatch, **13**; Brown Creeper, 18; **Long-billed Marsh Wren, 1** (carefully identified); **Brown Thrasher, 1**; Am. Robin, 1; Golden-crowned Kinglet, 33; Gray Shrike, 5; Common Starling, 8015; Myrtle Warbler, 2; **Common Yellowthroat, 1** (carefully identified); House Sparrow, 973; Red-winged Blackbird, 3; Brown-headed Cowbird, 6; Cardinal, 25; Evening Grosbeak, 2; Purple Finch, 1; Pine Grosbeak, 6; Common Redpoll, 2; Am. Goldfinch, 6; Slate-colored Junco, 56; Am. Tree Sparrow, 125; Swamp Sparrow, 2; Song Sparrow, 10; Snow Bunting, 25. **Total,** 76 species; about 42,595 individuals. (Iceland Gull, Kumlien's Gull, Carolina Wren seen count week.) [Very careful complete details submitted for all unusual observations—Ed.]—Robert Andrle, Harold Axtell, Rachel Axtell, Winston Brockner, Sylvia Brockner, James Braunberns, Gordon Brown, Arthur Clark, Robert Coggeshall, Mrs. James Creighton, Edward Cummiskey, Mrs. Edward Cummiskey, Mrs. Martin Dietrich, Marjorie Emerson, Mary Louise Emerson, Arthur Freitag, Fred Hall, Axel Heilborn, Mrs. Axel Heilborn, Walter Klabunde, Mrs. Walter Klabunde, Anthony Krayna, Mrs. Leroy Melberg, Bernard Nathan, Eugenia Praemassing (compiler), Dale Rubach, Heather Thorpe, H. B. Von Arnim, Mrs. H. B. Von Arnim, Gertrude Webster, Ellen Windsor.

82. Central Orleans County, N. Y. (circle centered on Five Corners, Gaines Township; farmland 50%, mixed woodlands 25%, streams and ponds 15%, marshes and swamps 5%, residential 5%).—Dec. 29; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 32° to 36°; wind S to SE, 5-10 m.p.h. Four observers in 3 parties. Total party-hours, 20 (8 on foot, 12 by car); total party-miles, 109 (12 on foot, 97 by car). Horned Grebe, 5; Mallard, 27; Am. Golden-eye, 30; Buffle-head, 14; White-winged Scoter, 20; Hooded Merganser, 2; Am. Merganser, 1; Red-tailed Hawk, 3; Sparrow Hawk, 6; Ring-necked Pheasant, 12; Great Black-backed Gull, 8; Herring Gull, 350+; Ring-billed Gull, 250+; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 3; Blue Jay, 4; Am. Crow, 7; Black-capped Chickadee, 68; White-breasted Nuthatch, 2; shrike (sp.), 1; Common Starling, 115; House Sparrow, 89; Cardinal, 5; Common Redpoll, 1; Slate-colored Junco, 52; Am. Tree Sparrow, 75. **Total,** 27 species; about 1161 individuals. (Seen count period: Cedar Waxwing, Pine Siskin.)—George Lippert (compiler), Donald Lown, Wilfred H. Weeks, Leona Wells.

83. Chatham, N. Y. (7½-mile radius centering 2½ miles southeast of Kinderhook; coniferous woodland 8%, mixed deciduous and evergreen woods 40%, fields and pastures 40%, marsh, pond and rivers 10%, residential 2%).—Dec. 28; 6:45 a.m. to 5 p.m. Broken clouds; temp. 25° to 45°; wind variable, 0-5 m.p.h.; streams running full, ponds partly open, ground bare. Twelve observers in 4 parties plus 6 at feeding stations. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 102 (18 on foot, 84 by car). Black Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Great Black-backed Gull, 6; Herring Gull, 8; Ring-billed Gull, 4; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 34; Downy Woodpecker, 58; Blue Jay, 107; Am. Crow, 145; Black-capped Chickadee, 182; White-breasted Nuthatch, 31; Brown Creeper, 6; Winter Wren, 1; Common Starling, 528+; House Sparrow, 300+; Cardinal, 6; Evening Grosbeak, 21; Pine Grosbeak, 14; Common Redpoll, 40; Pine Siskin, 4; Am. Goldfinch, 5; Slate-colored Junco, 59; Am. Tree Sparrow, 138; Song Sparrow, 3; Snow Bunting, 1. **Total,** 31 species; more than

1717 individuals. (Seen count period: Red-shouldered Hawk, Mourning Dove, Horned Owl, Barred Owl, Horned Lark, Am. Robin, Eastern Bluebird, Golden-crowned Kinglet, Cedar Waxwing, Gray Shrike, Brown-headed Cowbird, Purple Finch, Red Crossbill.) —Bertha Barford, Hortense Barten, Mr. and Mrs. Thomas Brown, Mrs. Jack Cook, Natalie Curtis, Elizabeth Guy Davis, Mrs. Paul Erlenbach, Elmer LaPointe, Mary Mickle, Donald Miller, Mrs. Donald Radke (compiler), Edgar Reilly, Jr., Mr. and Mrs. Eric Richter, Mrs. Fred Smilow, Mrs. Clarence Turner, Mrs. Robert Waite.

84. Clinton, N. Y. (7½-mile radius centering at Hamilton College; fields 75%, mixed coniferous woodlands 20%, towns 5%).—Dec. 23; 8 a.m. to 4 p.m. Partly cloudy; temp. 32° to 45°; wind NW, 10-15 m.p.h. Two observers in 2 parties. Total party-hours, 16 (all on foot); total party-miles, 27 (all on foot). Cooper's Hawk, 1; Red-tailed Hawk, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 3; Herring Gull, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 17; Blue Jay, 4; Am. Crow, 8; Black-capped Chickadee, 146; White-breasted Nuthatch, 20; Brown Creeper, 12; Golden-crowned Kinglet, 12; Gray Shrike, 2; Common Starling, 13; House Sparrow, 49; Eastern Meadowlark, 1; Cardinal, **10**; Pine Grosbeak, 21; Pine Siskin, 13; Am. Goldfinch, 1; Slate-colored Junco, 6; Am. Tree Sparrow, 68; Song Sparrow, 1. **Total,** 25 species; about 426 individuals.—Hadley S. Roe (compiler), A. C. Roman.

85. Conesus–Hemlock–Honeoye Lakes, N. Y. (area as described on 1956 count).—Dec. 28; 6:45 a.m. to 4 p.m. Overcast, trace of snow at high altitudes; temp. 30° to 47°; wind SW to W, 5-25 m.p.h.; no snow cover, lakes open, marshes frozen less than a week. Twenty-two observers in 4 parties. Total party-hours, 22 (7 on foot, 15 by car); total party-miles, 185 (12 on foot, 173 by car). Common Loon, 1; Horned Grebe, 2; Mallard, 109; Black Duck, 1222; Am. Widgeon, 2; Redhead, 380; Canvas-back, 831; Greater Scaup, 265; Am. Golden-eye, 59; Buffle-head, 6; Hooded Merganser, 18; Am. Merganser, 19; Red-breasted Merganser, 10; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; **Bald Eagle, 2**; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 5; Am. Coot, 75; Herring Gull, 6; Ring-billed Gull, 34; Mourning Dove, 14; Horned Owl, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 5; Blue Jay, 60; Am. Crow, 100; Black-capped Chickadee, 107; White-breasted Nuthatch, 22; Brown Creeper, 3; **Mockingbird, 1** (D.W.); Am. Robin, 2; Golden-crowned Kinglet, 21; Gray Shrike, 2; Common Starling, 177; Myrtle Warbler, 1; House Sparrow, 191; Cardinal, 10; Evening Grosbeak, 6; Pine Grosbeak, 26; Common Redpoll, 30; Am. Goldfinch, 63; Slate-colored Junco, 1; Am. Tree Sparrow, 50; **Field Sparrow, 4** (A.K.); White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 50 species; about 3965 individuals. (Rough-legged Hawk, Killdeer seen count week.)—J. Brown, C. J. Cameron, D. Cameron, D. Cameron III, F. Foote, J. Haller, R. Hartwell, Mr .and Mrs. A. Kemnitzer, W. Listman, Mr. and Mrs. R. McKinney, H. Miller, J. Mitchell, R. O'Hara, K. Paynansky, G. Rising (compiler), H. Schaefer, D. Simons, A. Starling, Mr. and Mrs. Don Wolf (Genesee Ornithological Society).

86. Cortland, N. Y. (same area as in previous years).—Dec. 28; 7 a.m. to 6 p.m. Partly cloudy; temp. 30° to 42°; wind S, 2-30 m.p.h.; ground mostly bare, waters mostly open. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 70 (10 on foot, 60 by car). **Wood Duck, 1**; Am. Golden-eye, 4; Hooded Merganser, 1; Am. Merganser, 21; **Red-breasted Merganser, 1**; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 5; Ring-necked Pheasant, 1; Am. Coot, 1; Herring Gull, 10; Ring-billed Gull, 2; Screech Owl, 3; Horned Owl, 1; **Barred Owl, 1**; Belted Kingfisher, 1; Hairy Woodpecker, 6; Downy Woodpecker, 7; Blue Jay, 5; Am. Crow, 208; Black-capped Chickadee, 80; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 4; Golden-crowned Kinglet, 9; Common Starling, 385; House Sparrow, 160; Cardinal, **12**; Evening Grosbeak, 8; Common Redpoll, 2; Am. Tree Sparrow, 36; Field Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 4. **Total,** 35 species; about 1001 individuals. [Exceptionally neat, carefully prepared report—Ed.]—Harold H. Axtell (compiler), Rachel C. Axtell.

87. Deposit, N. Y. (same area as previous years). —Dec. 22; 7 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 34° to 43°; wind NW, 20-0 m.p.h.; ground bare, lakes, ponds and streams open. Four observers in 4 parties. Total party-hours, 21 (17 on foot, 4 by car); total party-miles, 71 (17 on foot, 54 by car). Sparrow Hawk, 1; Ruffed Grouse, 7; Ring-necked Pheasant, 1; Screech Owl, 2; Horned Owl, 4; Belted Kingfisher, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 6; Am. Crow, 1; Black-capped Chickadee, 58; White-breasted Nuthatch, 7; Brown Creeper, 2; Golden-crowned Kinglet, 18; Common Starling, 126; House Sparrow, 36; Evening Grosbeak, 33; Pine Grosbeak, 10; Common Redpoll, 14; Am. Goldfinch, 2; Slate-colored Junco, 3; Am. Tree Sparrow, 21. **Total,** 22 species; about 359 individuals. (Seen in area during period: Gray Shrike, Cardinal, White-throated Sparrow.)—J. E. Smith, E. A. Thatcher, J. H. Wilson, S. S. Wilson, Jr. (compiler).

88. Elmira, N. Y. (same area and habitat percentages as past 7 years; 7½-mile radius centered on Mark Twain Golf Course).—Jan. 1; 6:45 a.m. to 5 p.m. Partly cloudy a.m., clearing; temp. 27° to 39°; wind W, 2-16 m.p.h.; ground bare. Twenty-eight observers in 13 parties. Total party-hours, 66 (35 on foot, 28 by car, 3 on horseback); total party-miles, 365 (44 on foot, 309 by car, 12 on horseback). Black Duck, 31; **Wood Duck, 1**; Am. Merganser, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Rough-legged

Hawk, 1; Sparrow Hawk, 12; Ruffed Grouse, 15; Ring-necked Pheasant, 8; **Am. Woodcock, 1** (in same area all Dec.); Herring Gull, 112; Ring-billed Gull, 1; Mourning Dove, 24; Screech Owl, 1; Horned Owl, 2; Long-eared Owl, 1; **Short-eared Owl,** 1; Belted Kingfisher, 5; Pileated Woodpecker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 60; Horned Lark, 3; Blue Jay, 85; Am. Crow, 656; Black-capped Chickadee, 301; Tufted Titmouse, 6; White-breasted Nuthatch, 84; Red-breasted Nuthatch, 1; Brown Creeper, 5; Carolina Wren, 5; Golden-crowned Kinglet, 34; **Ruby-crowned Kinglet, 5**; Cedar Waxwing, 2; Gray Shrike, 1; Common Starling, 158; House Sparrow, 576; **Red-winged Blackbird,** 41; Brown-headed Cowbird, 1; Cardinal, 60; Evening Grosbeak, 35; Pine Grosbeak, 30; **Common Redpoll, 112**; Am. Goldfinch, 142; Slate-colored Junco, 114; Am. Tree Sparrow, 129; Field Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 3. **Total,** 49 species; about 2918 individuals. (Seen in area count period: Rough-legged Hawk, Snowy Owl.)—Mr. and Mrs. Harold Bates, Linda Bates, Mr. and Mrs. Elmer Brimmer, Bill Brimmer, Donald Butters, Albert Fudge, Mrs. Clinton Fudge, Clinton Fudge, Jr., Arthur Kopp, Glenna Rowley, Mr. and Mrs. Charles Samson, William Shipman, Mr. and Mrs. Joseph A. Smith, Mrs. George M. Welles (compiler), Mrs. H. C. York (Chemung Valley Audubon Society).

89. Fort Plain, N. Y. (Mohawk River, valleys of Oak, Otsquago, Haymarket, Little Run Creeks, Oak Hill woods; mixed woods 50%, open farmland 30%, river flats 20%).—Dec. 30; 7:30 a.m. to 5:30 p.m. Overcast, snow p.m.; temp. 24° to 32°; wind NW; ground nearly bare, no ice. One observer. Total hours, 10 (9 on foot, 1 by car); total miles, 22 (7 on foot, 15 by car). Am. Merganser, 1; Goshawk, 1; Ruffed Grouse, 1; Herring Gull, 3; Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 4; Am. Crow, 1; Black-capped Chickadee, 34; White-breasted Nuthatch, 6; Golden-crowned Kinglet, 5; Common Starling, 47; House Sparrow, 74; Common Redpoll, 27; Am. Goldfinch, 4; Am. Tree Sparrow, 38; Song Sparrow, 4. **Total,** 18 species; about 253 individuals. (In area count period: Belted Kingfisher).—Douglas Ayres, Jr.

90. Geneva, N. Y. (same area as last year).—Dec. 29; 8:30 a.m. to 5 p.m.; temp. 32° to 40°; wind SW, 5-20 m.p.h.; ground bare, water open. Six observers in 4 parties. Total party-hours, 21 (10 on foot, 11 by car); total party-miles, 90 (10 on foot, 80 by car). Horned Grebe, 22; Pied-billed Grebe, 1; Whistling Swan, 1; Black Duck, 65; Redhead, 85; Ring-necked Duck, 16; Canvas-back, 5; Greater Scaup, 2500; Lesser Scaup, 100; Am. Golden-eye, 38; Am. Merganser, 3; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 9; Rough-legged Hawk, 8; Sparrow Hawk, 9; Ring-necked Pheasant, 1; Am. Coot, 15; Herring Gull, 14; Ring-billed Gull, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Downy Woodpecker, 10; Blue Jay, 7; Am. Crow, 416; Black-capped Chickadee, 72; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Common Starling, 52; House Sparrow, 162; Cardinal, 16; Am. Goldfinch, 1; Slate-colored Junco, 12; Am. Tree Sparrow, 6; Song Sparrow, 3; **Total,** 38 species; about 3674 individuals.—Clifford K. DeMayo, Leora Dryer, Ethel Murden, Thomas Smart, Paris Trail, Loren D. Ward (compiler) (Eaton Bird Club).

91. Hamburg–East Aurora, N. Y. (7½-mile radius centering on Chestnut Ridge Park, including Orchard Park and Emery Park; area same as last 12 years).—Dec. 29; 7:30 a.m. to 5 p.m. Cloudy with snow flurries, clearing; temp. 20° to 40°; wind SW, 10-15 m.p.h.; no snow covering, streams, ponds, and Lake Erie open. Fifty-seven observers in 25 parties. Total party-hours, 336 (119 on foot, 217 by car); total party-miles, 2629 (188 on foot, 2441 by car). Mallard, 1; Am. Golden-eye, 14; Red-breasted Merganser, 26; Red-tailed Hawk, 4; Sparrow Hawk, 23; Ruffed Grouse, 3; Ring-necked Pheasant, 146; Herring Gull, 68; Ring-billed Gull, 204; **Bonaparte's Gull, 300**; Mourning Dove, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 36; Downy Woodpecker, 124; Horned Lark, 5; Blue Jay, 133; Am. Crow, 243; Black-capped Chickadee, **698**; **Brown-capped Chickadee, 1** (E.S.); **Tufted Titmouse, 2** (at feeder daily); White-breasted Nuthatch, 114; Red-breasted Nuthatch, 10; Brown Creeper, 22; Carolina Wren, 4; **Catbird,** 1; Golden-crowned Kinglet, 30; Cedar Waxwing, 4; Gray Shrike, 3; Common Starling, 964; House Sparrow, 2336; Eastern Meadowlark, 3; Cardinal, 74; Evening Grosbeak, 9; **Pine Grosbeak, 5**; Am. Goldfinch, 6; Slate-colored Junco, 70; Am. Tree Sparrow, 89; Song Sparrow, 2; Snow Bunting, 106. **Total,** 42 species; about 5898 individuals. (Sharp-shinned Hawk, Am. Robin seen count period.) —W. H. Almendinger, R. L. Andrle, Mr. and Mrs. C. W. Avery, Jr., Mr. and Mrs. John E. Bacon, (compilers), B. Baird, T. L. Bourne, E. Bowen, R. Byron, A. Clark, Mrs. E. D. Crawford, Mrs. J. A. Creighton, Mr. and Mrs. E. P. Cummiskey, Dr. and Mrs. W. D. Dugan, William, Patrick, Molly, Sam Dugan, E. Faul, D. Gamble, Mrs. J. Gowans, J. Gregory, T. Habicht, F. T. Hall, Mrs. H. K. Heussler, R. C. Kirsch, Mr. and Mrs. R. L. Knoble, C. T. Knox, A. Krayna, M. Loos, S. J. and L. Maciejewski, Mrs. B. Mink, B. Nathan, Mrs. R. O. Patterson, Mrs. B. S. Ramsdell, F. Rathbun, F. G. Rew, F. M. Rew, R. C. Rosche, D. Rubach, Mr. and Mrs. E. Seeber, Ethel Seeber, W. P. Taylor, L. Turner, Mr. and Mrs. H. B. von Arnim, Mrs. R. S. Vidler, A. D. Wander, G. Webster, E. J. Windsor, Mrs. M. Wurtz (Buffalo Audubon Society).

92. Jamestown, N. Y. (7½-mile radius centering on 6th and Main Streets; lake 35%, stream borders 10%, farmland 18%, mixed woods 23%, coniferous woods 5%, suburban 8%, marsh 1%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Cloudy a.m., occasional rain p.m.; temp. 30° to 25°; wind S to W, 15-30 m.p.h.;

ground bare, waters open. Twenty-one observers in 13 parties. Total party-hours, 63 (30 on foot, 33 by car); total party-miles, 78 (30 on foot, 48 by car). Mallard, 1; Canvas-back, 4; Greater Scaup, 50; Am. Golden-eye, 183; Buffle-head, 6; Ruddy Duck, 27; Am. Merganser, 38; Red-breasted Merganser, 9; Cooper's Hawk, 2; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 9; Herring Gull, 12; Ring-billed Gull, 4; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 20; Downy Woodpecker, 41; Horned Lark, 6; Blue Jay, 56; Am. Crow, 18; Black-capped Chickadee, 378; Tufted Titmouse, 5; White-breasted Nuthatch, 74; Brown Creeper, 23; Carolina Wren, 3; Am. Robin, 1; Golden-crowned Kinglet, 65; Ruby-crowned Kinglet, 2; Gray Shrike, 3; Common Starling, 806; House Sparrow, 726; Purple Grackle, 4; Brown-headed Cowbird, 2; Cardinal, 28; Evening Grosbeak, 19; Common Redpoll, 72; Am. Goldfinch, 46; Slate-colored Junco, 13; Am. Tree Sparrow, 45; White-throated Sparrow, 2; Song Sparrow, 4. **Total,** 45 species; about 2823 individuals. (Seen in area count period: Am. Coot, Barred Owl, Horned Owl, Killdeer.)—M. Lawson, R. A. Sundell (compilers), D. Anderson, G. Anderson, C. Beal, C. Belknap, G. Bently, A. Brolin, V. Button, R. Ludwick, W. Mealy, F. Nisson, R. Olson, G. Randell, J. Rappole, P. Robinson, E. Rhubottom, P. Sundell, R. H. Sundell, K. Swanson, O. Swanson.

93. Kingston–Lake Mohonk–Ashokan Reservoir, N. Y. (same area as in previous years, with addition of Binnewater Lakes region).—Dec. 28; 6:45 a.m. to 5 p.m. Overcast, clearing by noon; temp. 35° to 44°; wind calm, freshening to 20 m.p.h.; ground bare, all water open. Thirteen observers in 6 parties. Total party-hours, 70 (59 on foot, 11 by car); total party-miles, 178 (31 on foot, 147 by car). Pied-billed Grebe, 1; Mallard, 22; Black Duck, 205; Redhead, 5; Am. Golden-eye, 20; Am. Merganser, 4; Cooper's Hawk, 2; Red-tailed Hawk, 7; Marsh Hawk, 3; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 4; Great Black-backed Gull, 3; Herring Gull, 41; Ring-billed Gull, 14; Mourning Dove, 22; Horned Owl, 2; Pileated Woodpecker, 4; Hairy Woodpecker, 17; Downy Woodpecker, 24; Blue Jay, 40; Am. Crow, 164; Black-capped Chickadee, 183; Tufted Titmouse, 4; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 3; Eastern Bluebird, 11; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 2; Common Starling, 605; Myrtle Warbler, 1; House Sparrow, 314; Cardinal, 29; Evening Grosbeak, 49; Pine Grosbeak, 1; Common Redpoll, 1; Am. Goldfinch, 199; Slate-colored Junco, 155; Am. Tree Sparrow, 207; Song Sparrow, 11; Snow Bunting, 14. **Total,** 44 species; about 2473 individuals. (Mockingbird seen in area count period.)—Arthur M. Cragin, Henry F. Dunbar, Ilse K. Dunbar (compiler), Albert Feldman, Samuel Hayes, Helen Hayes, Fred Hough, Rodney Lethbridge, Thomas Morgan, Robert Pyle, Daniel Smiley, Raymond Van Valkenburgh, George Wilmott.

94. Madrid, N. Y. (area as in 1955, but Morrisburg, Ontario, visited this year; further denudation has spoiled more bird haunts along St. Lawrence River).—Dec. 27; 7:20 a.m. to 5 p.m. Some cloudy, some clear periods; temp. 32° to 35°; wind W, 0-10 m.p.h.; no ice, ground bare. Twelve observers in 5 parties. Total party-hours, 26 (7 on foot, 19 by car); total party-miles, 255 (20 on foot, 235 by car). Common Loon, 1; Black Duck, 25; Am. Golden-eye, 81; Am. Merganser, 43; **Marsh Hawk, 2**; **Sparrow Hawk, 1**; Ruffed Grouse, 6; Herring Gull, 19; Hairy Woodpecker, 4; Blue Jay, 31; Black-capped Chickadee, 76; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 9; Gray Shrike, 3; Common Starling, 36; House Sparrow, 229; Common Redpoll, 304; Pine Siskin, 3; Am. Goldfinch, 20; Am. Tree Sparrow, 8; Song Sparrow, 1. **Total,** 21 species; about 906 individuals. (Seen in area during period: Brown Creeper, Evening Grosbeak, Pine Grosbeak.)—John Belknap, Harold Burrell, Mrs. Richard Clark, Lloyd Darrow, Ronald Goldie, Frank Hickok, Rae Johnston, Dr. and Mrs. Lyman Langdon, Mrs. Berenice Morse, Edward Nichols (compiler), Mrs. Leslie Potter.

95. Manhattan, N. Y. (same area and habitat percentages as last year).—Dec. 28; 7 a.m. to 5 p.m. Cloudy, some fog on bay; temp. 40° to 45°; no wind; ground bare, no ice. Eleven observers in 4 parties. Total party-hours, 28 (23 on foot, 2 by car, 3 by boat); total party-miles, 122 (48 on foot, 38 by car, 36 by boat). Canada Goose, 5; Mallard, 49; Black Duck, 946; Gadwall, 2; Green-winged Teal, 3; Wood Duck, 1; Redhead, 1; Canvas-back, 152; Greater Scaup, 2574; Am. Golden-eye, 80; White-winged Scoter, 1; Am. Scoter, 2; Ruddy Duck, 9; Red-shouldered Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 3; Iceland Gull, 2; Great Black-backed Gull, 104; Herring Gull, 4900; Ring-billed Gull, 366; Black-headed Gull, 1; Laughing Gull, 1; Bonaparte's Gull, 1933; **Barn Owl, 1**; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 15; Blue Jay, 43; Am. Crow, 10; Black-capped Chickadee, 42; Tufted Titmouse, 4; White-breasted Nuthatch, 15; **Winter Wren, 1**; Carolina Wren, 2; **Catbird, 1**; Am. Robin, 3; Hermit Thrush, 1; Common Starling, 133,000; House Sparrow, 470; Red-winged Blackbird, 97; Purple Grackle, 9; Brown-headed Cowbird, 127; Cardinal, 11; Am. Goldfinch, 3; Slate-colored Junco, 23; Am. Tree Sparrow, 8; Field Sparrow, 3; White-throated Sparrow, 9; Fox Sparrow, 1; Song Sparrow, 39. **Total,** 51 species; about 145,084 individuals. (Seen in area count period: Chipping Sparrow.)—Joseph Bloom, Ned Boyajian, William Cooney, Ezra Feinberg, William Gordon, Richard Harrison, Walter Kennedy, Robert Mathews, Pauline Messing, Henry Ryan, Richard Ryan (compiler).

96. Monticello, N. Y. (area and habitat coverage same as last year).—Dec. 28; 7:45 a.m. to 4:30 p.m. Cloudy a.m., clear p.m.; temp. 16° to 24°; wind SSW, 0-3 m.p.h.; ground bare, ponds and most

lakes frozen, rivers and reservoirs open. Eleven observers in 3 parties. Total party-hours, 16 (1 on foot, 15 by car); total party-miles, 144 (2 on foot, 142 by car). Pied-billed Grebe, 1; Mallard, 9; Black Duck, **304**; Am. Merganser, 24; **Goshawk,** 1; Red-tailed Hawk, 2; Bald Eagle, 1; Hairy Woodpecker, 6; Downy Woodpecker, 13; Blue Jay, 35; Am. Crow, 2; Black-capped Chickadee, 64; White-breasted Nuthatch, 9; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 311; House Sparrow, 386; Cardinal, 2; Evening Grosbeak, 173; Pine Grosbeak, 28; Pine Siskin, 283; Am. Goldfinch, 87; Am. Tree Sparrow, 95. **Total,** 23 species; about 1840 individuals.(Seen in area count period: Ruffed Grouse, Ring-necked Pheasant, Barred Owl, Pileated Woodpecker, Brown Creeper, Am. Robin, Common Redpoll, White-throated Sparrow.)—Charles Atwell, Bonnie Chernick, Pauline Chernick, Mr. and Mrs. M. C. Hammond, Mrs. Julius Holtzman, Naomi Holtzman, Kenneth D. Niven (compiler), Mrs. Kenneth D. Niven, Ralph Spaulding, Jr., Stephen Willis (Sullivan County and Minisink Audubon Societies).

97. **Olean, N. Y.** (circle moved 4 miles west, now centered at St. Bonaventure University).—Dec. 28; 8 a.m. to 4:30 p.m. Clear to cloudy; temp. 25° to 37°; wind SW, 1-7 m.p.h.; Allegheny River and tributaries open, trace of snow in shaded areas and on high hills. Nine observers in 4 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 190 (17 on foot, 173 by car). Rough-legged Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Turkey, 3; Mourning Dove, 11; Horned Owl, 1; Belted Kingfisher, 4; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 2; Am. Crow, 9; Black-capped Chickadee, 76; White-breasted Nuthatch, 15; Golden-crowned Kinglet, 2; Common Starling, 248; House Sparrow, 183; Brown-headed Cowbird, 12; Cardinal, 6; Evening Grosbeak, 4; Am. Goldfinch, 59; Slate-colored Junco, 1; Am. Tree Sparrow, 150; Song Sparrow, 5. **Total,** 23 species; about 806 individuals. (Seen in area during period: Barred Owl, Pileated Woodpecker, Brown Creeper.)—S. W. Eaton (compiler), Wilbert Johnson, Louise Keenan, Francis Liegey, F. G. Meyer, Mr. and Mrs. L. H. Parsons, Marlin Smith, Robert Werrlein.

98. **Oswego–Fulton, N. Y.** (15-mile diameter circle centering on Minetto, south and east thru Fulton, north to Oswego, west to North Hannibal and Snake Swamp; river and harbor 40%, open farmland 20%, woodlots 30%, dead woods swamp 10%).—Dec. 29; 9 a.m. to 6 p.m. Clear; temp. 32° to 40°; wind W, 10-20 m.p.h.; no snow on groun ', marshes, ponds, creeks mostly open, river, harbor, lake without ice. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 71 (3 on foot, 68 by car). Horned Grebe, 8; Mallard, 27; Black Duck, 205; Pintail, 2; Greater Scaup, 442; Lesser Scaup, 8; Am. Golden-eye, 90; Old-squaw, 127; White-winged Scoter, 18; Am. Merganser, 23; Red-breasted Merganser, 65; Sparrow Hawk, 3; **Red Phalarope,** 1 (carefully studied spinning on water near shore); Iceland Gull, 2; Great Black-backed Gull, 30; Herring Gull, 6500; Ring-billed Gull, 1500; Horned Owl, 4; Hairy Woodpecker, 2; Downy Woodpecker, 12; Blue Jay, 9; Am. Crow, 46; Black-capped Chickadee, 95; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 4; Gray Shrike, 2; Common Starling, 55; House Sparrow, 310; Cardinal, 4; Purple Finch, 1; Common Redpoll, 12; Pine Siskin, 3; Am. Goldfinch, 4; Slate-colored Junco, 2; Am. Tree Sparrow, 59; Swamp Sparrow, 1; Song Sparrow, 9; Snow Bunting, 3. **Total,** 40 species; about 9698 individuals. —Margaret Rusk (compiler), Fritz Scheider.

99. **Peekskill, N. Y.** (area and habitats same as in previous years).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 33° to 40°; wind W, 5-10 m.p.h.; all ponds and lakes open, Hudson River completely open. Thirteen observers in 4 parties. Total party-hours, 34 (24 on foot, 10 by car); total party-miles, 267 (40 on foot, 227 by car). Horned Grebe, 1; Pied-billed Grebe, 4; Mute Swan, 2; Mallard, 32; Black Duck, 136; Am. Widgeon, 1; Canvas-back, 1; Greater Scaup, 11; Am. Golden-eye, 12; Hooded Merganser, 6; Am. Merganser, 27; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 1; **Pigeon Hawk,** 1 (M.G.); Sparrow Hawk, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Great Black-backed Gull, 14; Herring Gull, 3352; Ring-billed Gull, 10; Mourning Dove, 92; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Hairy Woodpecker, 22; Downy Woodpecker, 65; Blue Jay, 111; Am. Crow, 68; Black-capped Chickadee, 287; Tufted Titmouse, 4; White-breasted Nuthatch, 47; Brown Creeper, 7; Winter Wren, 3; Catbird, 1; Am. Robin, 7; Hermit Thrush, 7; Eastern Bluebird, 22; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 333; Myrtle Warbler, 7; House Sparrow, 269; Red-winged Blackbird, 7; Brown-headed Cowbird, 8; Cardinal, 33; Evening Grosbeak, 11; Purple Finch, 6; Pine Grosbeak, 43; Am. Goldfinch, 199; Slate-colored Junco, 264; Am. Tree Sparrow, 246; White-throated Sparrow, 24; Swamp Sparrow, 6; Song Sparrow, 27. **Total,** 56 species; about 5884 individuals.—William Anderson, John A. Given, Michael Gochfeld, Mrs. G. W. Little, Meg Manderson, James R. Nolan (compiler), Ralph Odell, James H. Rice, Maurice A. Sellers, Judy Slechta, Kevin Witty, Mr. and Mrs. Paul J. Wolfe.

100. **Putnam County, N. Y.** (area and habitats same as last year).—Dec. 29; 6:30 a.m. to 5 p.m. Foggy early a.m., clear p.m.; temp. 33° to 40°; wind SW to NW, 5-15 m.p.h.; all water open, ground bare. Twelve observers in 4 parties. Total party-hours, 36 (24 on foot, 12 by car); total party-miles, 269 (36 on foot, 233 by car). Horned Grebe, 1; Mallard, 12; Black Duck, 26; **Wood Duck, 1** (W.A., B.K.); Ring-necked Duck, 5; Greater Scaup, 2; Am. Golden-eye, 37; Buffle-head, 21; Hooded Merganser, 7; Am. Merganser, 35; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Bald Eagle, 1; Sparrow Hawk, 1;

Ruffed Grouse, 7; Ring-necked Pheasant, 4; **Virginia Rail, 1** (seen and heard—W.A., B.K); Am. Coot, 30; Great Black-backed Gull, 1; Herring Gull, 47; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 25; Blue Jay, 78; Am. Crow, 48; Black-capped Chickadee, 244; **Tufted Titmouse, 3** (J.N., J.G.); White-breasted Nuthatch, 35; Brown Creeper, 9; Winter Wren, 2; **Carolina Wren, 2** (J.N.); Am. Robin, 8; Golden-crowned Kinglet, 13; Common Starling, 317; House Sparrow, 290; Red-winged Blackbird, 28; Brown-headed Cowbird, 9; Cardinal, 18; Purple Finch, 2; Common Redpoll, 1; Pine Siskin, 75; Am. Goldfinch, 92; Slate-colored Junco, 156; Am. Tree Sparrow, 266; White-throated Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 22. **Total,** 50 species; about 2012 individuals. (Seen during count period: Cooper's Hawk.)—William Anderson, Martin Brech (compiler), John Given, Michael Gochfeld, Bruce Kornbluth, Mr. and Mrs. George W. Little, William Miller, James Nolan, Ralph Odell, Judy Slechta, Kevin Witty (Naturalists' Workshop).

101. Rochester, N. Y. (7½-mile radius circle centering on Dewey Ave. and Stone Rd. as in 1956). —Dec. 22; 6 a.m. to 6 p.m. Four hours of sunshine; temp. 35° to 46°; wind S, 5-10 m.p.h.; no snow, ponds, bays and Lake Ontario open. Forty observers in 16 parties. Total party-hours, 104 (77 on foot, 27 by car); total party-miles, 387 (64 on foot, 323 by car). Common Loon, 2; Red-necked Grebe, 1; Horned Grebe, **18**; **Eared Grebe, 1** (in same area since Dec. 15—numerous observers); Great Blue Heron, **3**; Mallard, 25; Black Duck, 22; Pintail, 1; Green-winged Teal, 2; Wood Duck, 1; Redhead, 2; Canvas-back, 2; Greater Scaup, **3000**; Lesser Scaup, 3; Am. Golden-eye, 543; Buffle-head, 15; **Old-squaw, 4850**; White-winged Scoter, **660**; Am. Scoter, 3; Ruddy Duck, 5; Hooded Merganser, 1; Am. Merganser, 70; Red-breasted Merganser, 101; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 18; Rough-legged Hawk, 8; Marsh Hawk, 5; Sparrow Hawk, 13; Ring-necked Pheasant, 99; **Killdeer, 1** (present 10 days); Great Black-backed Gull, 82; Herring Gull, 2675; Ring-billed Gull, 3380; Bonaparte's Gull, 177; Mourning Dove, 6; Screech Owl, 12; Horned Owl, 5; Snowy Owl, 1; Long-eared Owl, 1; Short-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, **43**; Downy Woodpecker, **71**; Horned Lark, **58**; Blue Jay, **89**; Am. Crow, **10,142**; Black-capped Chickadee, **433**; Tufted Titmouse, **4**; White-breasted Nuthatch, **76**; Red-breasted Nuthatch, 14; Brown Creeper, 14; Winter Wren, 6; Carolina Wren, **4**; Long-billed Marsh Wren, 4; **Mockingbird, 2** (present 3 months); Am. Robin, 9; Golden-crowned Kinglet, 12; Cedar Waxwing, 7; Gray Shrike, 4; Common Starling, **7757**; Myrtle Warbler, 8; Common Yellowthroat, **2**; House Sparrow, 779; Red-winged Blackbird, 35; **Baltimore Oriole, 1** (at feeder since Dec. 13); Rusty Blackbird, 3; Brown-headed Cowbird, 7; Cardinal, 56; Evening Grosbeak, **52**; Pine Grosbeak, 61; Common Redpoll, 338; Pine Siskin, 5; Am. Goldfinch, 29; Red Crossbill, 1; White-winged Crossbill, 1; Slate-colored Junco, 61; Am. Tree Sparrow, 436; Field Sparrow, **3**; White-throated Sparrow, 5; Swamp Sparrow, 28; Song Sparrow, 55; Lapland Longspur, 1; Snow Bunting, 26. **Total,** 86 species; about 36,567 individuals. (Seen count period: Red-throated Loon, Surf Scoter, Bald Eagle, Florida Gallinule, Purple Sandpiper, Iceland Gull, Little Gull, Yellow-shafted Flicker, Arctic Woodpecker, **Bohemian Waxwing,** Eastern Towhee, Oregon Junco.)—C. F. H. Allen, J. W. Brown, R. Dolan, H. Foster, D. Haft, R. Hartwell, D. Holland, C. Jarvis, A. and B. Kemnitzer, A. J. and T. Klonick, G. Leubner (compiler), W. Listman, E. McCarthy, R. McKinney, J. and T. McNett, H. Miller, J. and H. Mitchell, N. and L. Moon, W. Muchmore, D. Nelson, R. O'Hara, N. Peters, G. Rising, O. and H. Schaefer, J. Shaffer, D. and R. Simons, A. Starling, R. Stewart, M. Sunderlin, L. Tanghe, J. Taylor, L. Zeitler (Genesee Ornithological Society and Burroughs–Audubon Nature Club).

102. Saranac Lake–Lake Placid, N. Y. (same area as in 1954, 7½-mile radius centering on Raybrook; open farmland 20%, town suburbs 20%, river borders 10%, mixed deciduous and coniferous woodland 40%, blueberry meadows 10%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Overcast, snow flurries; temp. -2° to 12°; wind W, 5-12 m.p.h.; 4-8-in. snow on ground, lakes and ponds frozen, Saranac River open, moderate cone crop. Four observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car and jeep); total party-miles, 59 (7 on foot, 52 by car and jeep). Ruffed Grouse, 4; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 2; Black-capped Chickadee, 27; Brown-capped Chickadee, 2; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 3; Brown Creeper, 1; **Gray Shrike, 2**; House Sparrow, 42; Evening Grosbeak, **58**; Pine Grosbeak, 11; **Common Redpoll, 24**; **Song Sparrow, 1**; Snow Bunting, 38. **Total,** 16 species; about 222 individuals. (In area week of count: Pileated Woodpecker, Cardinal.)—Herbert V. W. Bergamini (compiler), Virginia Weeks Bergamini, James T. Monroe, Virginia T. Weeks.

103. Schenectady, N. Y. (same area and habitat percentages as preceding years).—Dec. 21; 7:30 a.m. to 4 p.m. Clear to partly cloudy; temp. 50° to 62°; wind SW, 0-15 m.p.h.; no snow or ice, streams high. Twenty-seven observers in 8 parties. Total party-hours, 39 (27 on foot, 12 by car); total party-miles, 181 (35 on foot, 146 by car). Old-squaw, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Ruffed Grouse, 6; **Bob-white, 8** (40 released last summer); Ring-necked Pheasant, 11; Herring Gull, 63; Ring-billed Gull, 1; Mourning Dove, 2; Horned Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 24; Downy Woodpecker, 40; Blue Jay, 80; Am. Crow, 879; Black-capped Chickadee, 220; **Tufted Titmouse, 2** (regular all fall); White-breasted Nut-

hatch, 66; Brown Creeper, 7; **Carolina Wren, 2** (regular all fall); Am. Robin, 1; Golden-crowned Kinglet, 10; Cedar Waxwing, 5; Gray Shrike, 2; Common Starling, 1270; House Sparrow, 413; Red-winged Blackbird, 2; Cardinal, 4; Evening Grosbeak, 75; Purple Finch, 2; Pine Grosbeak, 9; Common Redpoll, 108; Pine Siskin, 75; Am. Goldfinch, 168; Slate-colored Junco, 40; Am. Tree Sparrow, 260; Song Sparrow, 24. **Total,** 41 species; about 3902 individuals. (In area census period: Am. Merganser, Great Black-backed Gull, Red-breasted Nuthatch, Winter Wren.) [Exceptionally neat, carefully prepared report—ED.]—Gustav Angst, Brother E. Austin, Guy Bartlett, Hazel Eddy, Georgia Erlenbeck, Elizabeth A. Feldhusen, Lucille Grace, Esly Hallenbeck, Mr. and Mrs. Byron T. Hipple, Jr., Alice Holmes, Mary C. Johnston, Walter E. Kaskan (compiler), Richard T. Keller, Mary F. Linch, Viola Mabb, Samuel R. Madison, Mr. and Mrs. Howard L. Malone, James K. Meritt, Stephanie Podrazik, Eleanor Radke, Benton R. Seguin, Nellie Silliman, Mr. and Mrs. Glen A. Slack, Robert Yunick (Schenectady Bird Club, Inc.).

104. **Staten Island, N. Y.** (seashore 30%, salt-water marsh 10%, fresh-water marsh 10%, woodlands 15%, fields 20%, garbage dump 15%).—Dec. 22; 7 a.m. to 4:30 p.m. Sunny; temp. 38° to 50°; wind SW, 15 m.p.h.; ponds open. Twenty observers in 8 parties. Total party-hours, 66 (56 on foot, 10 by car); total party-miles, 180 (57 on foot, 123 by car). Horned Grebe, 338; Pied-billed Grebe, 1; **European Cormorant, 1** (F.W.); Double-crested Cormorant, 14; Great Blue Heron, 1; Mallard, 20; Black Duck, 199; Redhead, 1; Canvas-back, 15; Greater Scaup, 5842; Lesser Scaup, 4; Am. Golden-eye, 361; Buffle-head, 390; Old-squaw, 275; White-winged Scoter, 3010; Am. Scoter, 1; Ruddy Duck, 2; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 6; Sparrow Hawk, 16; Ring-necked Pheasant, 27; Clapper Rail, 1; Killdeer, 10; Purple Sandpiper, 10; Sanderling, 3; Glaucous Gull, 1; Iceland Gull, 6 (**1 Kumlien's**); Great Black-backed Gull, 622; Herring Gull, 70,785; Ring-billed Gull, 15; Laughing Gull, 2; Bonaparte's Gull, 642; Mourning Dove, 6; Screech Owl, 1; Long-eared Owl, 1; Short-eared Owl, 4; Yellow-shafted Flicker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 37; Horned Lark, 70; Blue Jay, 56; Am. Crow, 1557; Fish Crow, 10; Black-capped Chickadee, 85; Tufted Titmouse, 6; White-breasted Nuthatch, 39; Red-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 3; Eastern Bluebird, 2; Common Starling, 9988; Myrtle Warbler, 2; House Sparrow, 287; Eastern Meadowlark, 18; Red-winged Blackbird, 310; Rusty Blackbird, 4; Purple Grackle, 1; Brown-headed Cowbird, 68; Cardinal, 39; Pine Siskin, 8; Am. Goldfinch, 21; Savannah Sparrow, 5; Slate-colored Junco, 119; Am. Tree Sparrow, 32; Field Sparrow, 16; White-throated Sparrow, 10; Fox Sparrow, 2; Song Sparrow, 40; Lapland Longspur, 1; Snow Bunting, 2. **Total,** 73 species (1 additional subspecies); about 95,545 individuals.—Irving Black, Howard H. Cleaves, Charles Collins, Barbara Cook, Ronald Deckenback, Lee A. Ellison, Frank Frazier, R. Bruce Gordon, Vera Gordon, H. Ray Hunt, Dorothy Hunt, Joe Jehl, Jr., John LeMaire, Robert Mathewson, Nick Niosi, Casimir Redjives, Marjorie Smith, Mathilde P. Weingartner (compiler), Peter Westcott, Floyd Wolfarth.

105. **Syracuse, N. Y.** (same area as in previous years).—Dec. 22; 4 a.m. to 6 p.m. Clear; temp. 32° to 43°; wind W to SE, average 11 m.p.h.; ground clear, all water open. Thirty observers in 16 parties. Total party-hours, 114 (48 on foot, 66 by car); total party-miles, 587 (70 on foot, 517 by car). Horned Grebe, 8; Mallard, 100; Black Duck, 356; **Pintail, 8**; **Wood Duck, 3**; Redhead, 12; Ring-necked Duck, 1; Canvas-back, 1250; Greater Scaup, 175; Lesser Scaup, 3; Am. Golden-eye, 570; Buffle-head, 12; Old-squaw, 3; **White-winged Scoter, 1**; Am. Merganser, 88; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, **20**; Rough-legged Hawk, **31**; Marsh Hawk, **22**; Sparrow Hawk, 13; Ruffed Grouse, 7; Ring-necked Pheasant, 114; Great Black-backed Gull, 4; Herring Gull, 189; Ring-billed Gull, 232; Mourning Dove, **116**; Screech Owl, 9; Horned Owl, 7; Long-eared Owl, 1; Short-eared Owl, **14**; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 67; Downy Woodpecker, 104; Blue Jay, 90; Am. Crow, 600; Black-capped Chickadee, **560**; White-breasted Nuthatch, **130**; Red-breasted Nuthatch, 6; Brown Creeper, **22**; Winter Wren, 1; **Long-billed Marsh Wren, 4** (carefully identified—F.S.); Am. Robin, 3; Golden-crowned Kinglet, 51; Cedar Waxwing, 25; Gray Shrike, 14; Common Starling, 1700; **Common Yellowthroat, 1** (carefully identified—F.S.); House Sparrow, 1000; Eastern Meadowlark, 17; Red-winged Blackbird, 2; Brown-headed Cowbird, 5; Cardinal, 17; Evening Grosbeak, 16; Purple Finch, 18; Pine Grosbeak, 2; Common Redpoll, 290; Pine Siskin, 52; Am. Goldfinch, 101; Eastern Towhee, 1; Slate-colored Junco, 34; Am. Tree Sparrow, 265; Field Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 20; Lapland Longspur, 1; Snow Bunting, 8. **Total,** 71 species; about 8621 individuals. (Seen count period: Bonaparte's Gull, Barn Owl, Tufted Titmouse.)—J. Ashley, Maude Bitz, B. J. Burtt, Ada Carter, L. Chamberlaine, Mr. and Mrs. G. Courtney, S. Ernst, Mrs. W. Estoff, Mrs. O. Evans, Mr. and Mrs. C. Farnham, Mrs. R. Gould, Al. Jones, Paul Jones, Mr. and Mrs. V. Mathis, Mr. and Mrs. W. Minor, Ian C. T. Nisbet, P. Paquette, E. Patterson, Mr. and Mrs. R. Probst, Margaret Rusk, Roberta Seaman, F. Scheider, Walter Spofford (compiler), R. Wayland-Smith (Onondaga Audubon Society).

106. **Troy, N. Y.** (same area and habitat percentages as preceding years).—Dec. 28; 7:45 a.m. to 4:15 p.m. Clear to partly cloudy; temp. 26° to 40°; wind W to SW, 0-5 m.p.h.; no snow, all streams open and high, ice skim on small ponds and marshes. Eighteen observers in 5 parties. Total party-hours, 31 (17 on foot, 14 by car); total party-miles, 276

(24 on foot, 252 by car). Common Loon, 1; Mallard, 29; Black Duck, 289; Pintail, 1; Canvas-back, 2; Am. Merganser, 9; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 5; Great Black-backed Gull, 15; Herring Gull, 584; Ring-billed Gull, 143; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 19; Downy Woodpecker, 19; Blue Jay, 92; Am. Crow, 86; Black-capped Chickadee, 135; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Gray Shrike, 2; Common Starling, 365; House Sparrow, 320; Evening Grosbeak, 5; Pine Grosbeak, 45; Common Redpoll, 91; Pine Siskin, 21; Am. Goldfinch, 11; Slate-colored Junco, 3; Am. Tree Sparrow, 164; Song Sparrow, 5. **Total,** 37 species; about 2491 individuals. (In area census period: Iceland Gull.) [Exceptionally neat, well prepared report—ED.]—Pauline Baker, Guy Bartlett, Nancy Brown, Esly Hallenbeck, Mr. and Mrs. Byron T. Hipple, Jr., Mary C. Johnston, Walter E. Kaskan, Mrs. Edward Kilcawley, Mr. and Mrs. Frank L. Kysor, Nancy Kysor, Mary F. Linch, Samuel R. Madison (compiler), Jacob Makshian, Mr. and Mrs. Howard L. Malone, James K. Meritt (Schenectady Bird Club, Inc.).

107. Watertown, N. Y. (same area as 20 previous counts, 7½-mile radius centering on Public Square; wooded 30%, farmland 30%, swamps 20%, city streets and river bank 20%).—Dec. 21; 7:20 a.m. to 4:30 p.m. Cloudy, rain in morning; temp. 42° to 48°; wind SW, 20-30 m.p.h.; no ice or snow, streams high. Eighteen observers in 12 parties. Total party-hours, 41 (29 on foot, 12 by car); total party-miles, 173 (32 on foot, 141 by car). Mallard, 3; Black Duck, 15; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 3; European Partridge, 9; Ring-necked Pheasant, 5; Herring Gull, 36; Ring-billed Gull, 6; Mourning Dove, 2; Snowy Owl, 1; Barred Owl, 1; Hairy Woodpecker, 8; Downy Woodpecker, 19; Blue Jay, 31; Am. Crow, 3; Black-capped Chickadee, 113; White-breasted Nuthatch, 17; Brown Creeper, 9; **Mockingbird, 1** (present since Nov.); Golden-crowned Kinglet, 3; Common Starling, 195; House Sparrow, 201; **Cardinal, 3**; Evening Grosbeak, 35; Pine Grosbeak, 13; Common Redpoll, 30; Am. Goldfinch, 12; Am. Tree Sparrow, 22; Song Sparrow, 1. **Total,** 30 species; about 801 individuals. (In area count period: Rough-legged Hawk, Screech Owl, Gray Shrike.)—Arthur W. Allen, John Bedford, John Belknap, Joseph Blake, Jr., Frank A. Clinch (compiler), Joseph Ellis, Jr., Marie Elitharp, David Gordon, Lucile Grant, Gertrude Houghton, Marada Johnson, Charles Mayhood, Robert Nelson, Erma Schell, Arthur Salisbury, Stanley Smith, Mrs. Richard Taylor, Harold T. Wiley (North Country Bird Club).

108. Watkins Glen, N. Y. (7½-mile radius centering on Franklin and 4th Sts., including Seneca Lake waterfront, State Park, Salt Point Road, East Lake Road, Montour Falls Airport, Irelandville Rd.; open fields 45%, deciduous and evergreen woods 20%, lake area 30%, suburbs 5%).—Dec. 28; 7:15 a.m. to 4:45 p.m. Sunny; temp. 30° to 44°; wind SSW, 5-15 m.p.h.; few small patches of snow, ponds frozen, streams and lake open. Seven observers in 4 parties. Total party-hours, 25 (14 on foot, 6 by car, 5 by boat); total party-miles, 57 (12 on foot, 40 by car, 5 by boat). Common Loon, 2; Horned Grebe, 27; Mallard, 40; Black Duck, 63; Canvas-back, 30; Am. Merganser, 20; Sparrow Hawk, 1; Ring-necked Pheasant, 16; Great Black-backed Gull, 2; Herring Gull, 90; Ring-billed Gull, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 41; Blue Jay, 17; Am. Crow, 160; Black-capped Chickadee, 83; White-breasted Nuthatch, 18; Carolina Wren, 1; Golden-crowned Kinglet, 16; Common Starling, 42; House Sparrow, 273; Purple Grackle, 4; Cardinal, 18; Evening Grosbeak, 6; Common Redpoll, 20; Am. Goldfinch, 19; Slate-colored Junco, 15; Am. Tree Sparrow, 19. **Total,** 30 species; about 1073 individuals. (Seen in area census period: Canada Goose, Lesser Scaup, Rough-legged Hawk, Marsh Hawk, Ruby-crowned Kinglet.)—Jamesine Bardeen (compiler), Morris Bardeen, Susan Bardeen, Leonta Beardsley, Jack Brubaker, Louise Hope, Albert Smith (Watkins-Montour Bird Club).

109. Barnegat, N. J. (same area as in 1946 and subsequent years).—Dec. 29; 4:30 a.m. to 5 p.m. Clear; temp. 38° to 45°; wind W to NW, 5-15 m.p.h.; ground bare, water open. Twenty observers in 5 parties. Total party-hours, 51 (31 on foot, 20 by car); total party-miles, 150 (37 on foot, 113 by car). Common Loon, 18; Red-throated Loon, 42; Horned Grebe, 329; Pied-billed Grebe, 6; Gannet, 24; European Cormorant, 6; Double-crested Cormorant, 45; Great Blue Heron, 26; **Am. Egret, 1**; Black-crowned Night Heron, 2; Am. Brant, 6200; Mallard, 9; Black Duck, 411; Redhead, 3; Canvas-back, 3; Greater Scaup, 1000; Am. Golden-eye, 78; Buffle-head, 212; Old-squaw, 99; **King Eider, 2**; White-winged Scoter, 15; Surf Scoter, 7; Am. Scoter, 8; Ruddy Duck, 2; Red-breasted Merganser, 55; Turkey Vulture, 15; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Marsh Hawk, 13; Peregrine Falcon, 2; Sparrow Hawk, 9; Bob-white, 10; Ring-necked Pheasant, 6; Killdeer, 8; Ringed Plover, 2; Black-bellied Plover, 66; Ruddy Turnstone, 7; Wilson's Snipe, 3; Greater Yellow-legs, 3; Purple Sandpiper, 66; Red-backed Sandpiper, 1900; Sanderling, 435; Great Black-backed Gull, 170; Herring Gull, 1600; Ring-billed Gull, 85; Laughing Gull, 3; Bonaparte's Gull, 16; Mourning Dove, 8; Horned Owl, 3; Barred Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Hairy Woodpecker, 5; Downy Woodpecker, 21; Horned Lark, 135; Blue Jay, 140; Am. Crow, 40; Fish Crow, 2; Carolina Chickadee, 53; Tufted Titmouse, 54; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 13; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 4; Mockingbird, 2; Catbird, 1; Brown Thrasher, 2; Am. Robin, 625; Hermit Thrush, 3; Golden-crowned Kinglet, 14; Gray Shrike,

1; Common Starling, 1540; Myrtle Warbler, 290; Palm Warbler, 3; **Yellow-breasted Chat, 1**; House Sparrow, 173; Eastern Meadowlark, 43; Red-winged Blackbird, 12; Cardinal, 64; Purple Finch, 4; Pine Siskin, 229; Am. Goldfinch, 131; Eastern Towhee, 1; Ipswich Sparrow, 1; Savannah Sparrow, 20; Sharp-tailed Sparrow, 3; Seaside Sparrow, 5; Slate-colored Junco, 106; Am. Tree Sparrow, 56; Field Sparrow, 18; White-throated Sparrow, 101; Fox Sparrow, 2; Swamp Sparrow, 24; Song Sparrow, 129; Lapland Longspur, 2; Snow Bunting, 18. **Total,** 100 species; about 17,180 individuals.—Vincent Abraitys, Irving Black, Philip Brody, Ann Chamberlain, Charles Collins, Robert Conn, John Crowell, Howard Drinkwater, Douglas Gill, Frank Gill, Charles Hetzel, Donald Kunkle (compiler), Bertram Murray, Nick Niosi, William Osborn, Richard Thorsell, Maarten van de Kamp, Elaine Walsh, Lester Walsh, John Wolf.

110. **Boonton, N. J.** (area not exceeding 15-mile diameter, Troy Hills the center; same habitat percentages as last year).—Dec. 21; 5 a.m. to 5 p.m. Clear; temp. 41° to 57°; wind WSW, 20-30 m.p.h.; ground bare, reservoirs and lakes open. Thirteen observers in 4 parties. Total party-hours, 44 (20 on foot, 22 by car, 2 by boat); total party-miles, 200 (27 on foot, 170 by car, 3 by boat). Horned Grebe, 3; Mute Swan, 66; **Whistling Swan, 1** (Thorsell party); Canada Goose, 42; Mallard, 183; Black Duck, 244; Am. Widgeon, 41; Pintail, 1; Wood Duck, **20**; Redhead, 1; Canvas-back, 9; Greater Scaup, 16; Lesser Scaup, 2; Buffle-head, 5; Ruddy Duck, 19; Cooper's Hawk, 1; Red-tailed Hawk, 23; Red-shouldered Hawk, 5; Rough-legged Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 5; Ring-necked Pheasant, 13; Virginia Rail, 1; **Great Black-backed Gull,** 1; Herring Gull, **490**; Ring-billed Gull, **20**; **Black-legged Kittiwake, 1** (carefully identified—F.W.); Mourning Dove, 14; Screech Owl, 19; Horned Owl, 2; Barred Owl, 1; Long-eared Owl, 5; Yellow-shafted Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 22; Horned Lark, 88; Blue Jay, 90; Am. Crow, 1520; Black-capped Chickadee, 111; Tufted Titmouse, 101; White-breasted Nuthatch, 26; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 14; Eastern Bluebird, 2; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Water Pipit, 10; Loggerhead Shrike, 1; Common Starling, 1100; Myrtle Warbler, 1; Common Yellowthroat, 1; House Sparrow, 140; Eastern Meadowlark, 14; Red-winged Blackbird, 225; Rusty Blackbird, 35; Brown-headed Cowbird, 15; Cardinal, 45; Evening Grosbeak, 13; Purple Finch, 3; Pine Siskin, 1; Am. Goldfinch, 38; Savannah Sparrow, 1; Slate-colored Junco, 135; Am. Tree Sparrow, 413; Field Sparrow, 19; White-throated Sparrow, 33; Fox Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 104; Snow Bunting, 1. **Total,** 72 species; about 5617 individuals.—I. Black, P. Brody, J. Crowell, R. Deckenback, F. Frazier, Jr., D. Gill, F. Gill, J. Jehl, Jr., J. La Station, N. Niosi, R. Thorsell, P. Westcott, F. Wolfarth (compiler).

111. **Bridgeton, N. J.** (7½-mile radius centering at Cedarville to include Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodlands 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 21; 5:30 a.m. to 5:30 p.m. Partly cloudy; temp. 39° to 50°; wind SW, 5-20 m.p.h. Twelve observers in 7 parties. Total party-hours, 95 (25 on foot, 70 by car); total party-miles, 330 (25 on foot, 305 by car). Horned Grebe, 5; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 7; Little Blue Heron, 1; Canada Goose, 14; Snow Goose, 88; Mallard, 14; Black Duck, 281; Am. Widgeon, 2; Ring-necked Duck, 22; Buffle-head, 4; Hooded Merganser, 6; Am. Merganser, 1; ducks (sp.), 106; Turkey Vulture, 159; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 4; Marsh Hawk, 21; Pigeon Hawk, 1; Sparrow Hawk, 32; Bob-white, 16; Ring-necked Pheasant, 2; Clapper Rail, 6; Killdeer, 1; Wilson's Snipe, 4; Greater Yellow-legs, 1; Red-backed Sandpiper, 14; Great Black-backed Gull, 6; Herring Gull, 909; Ring-billed Gull, 4; Mourning Dove, 122; Horned Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 8; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 19; Horned Lark, 16; Blue Jay, 38; Am. Crow, 219; Fish Crow, 12; Carolina Chickadee, 77; Tufted Titmouse, 31; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 32; Mockingbird, **25**; Brown Thrasher, 1; Am. Robin, 91; Hermit Thrush, 4; Eastern Bluebird, 5; Golden-crowned Kinglet, 7; Water Pipit, 79; Loggerhead Shrike, 5; Common Starling, 4313; Myrtle Warbler, 1; Palm Warbler, 15; House Sparrow, 650; Eastern Meadowlark, 250; Red-winged Blackbird, 1293; **Boat-tailed Grackle, 2**; Purple Grackle, 1042; Brown-headed Cowbird, 107; Cardinal, 85; Evening Grosbeak, 12; Pine Siskin, **125**; Am. Goldfinch, 145; Eastern Towhee, 6; Savannah Sparrow, 4; Sharp-tailed Sparrow, 2; Slate-colored Junco, 152; Am. Tree Sparrow, 36; Chipping Sparrow, 13; Field Sparrow, 67; White-crowned Sparrow, 1; White-throated Sparrow, 194; Swamp Sparrow, 8; Song Sparrow, 104. **Total,** 84 species; about 11,206 individuals. (Over 10,000 Snow Geese regularly seen in area, but heavy wind kept them out in Delaware Bay.)—Mrs. LeRoy Cossaboon, M. S. Cottrell, Mrs. Josephine Estes, Donald E. Kunkle, William H. Jenkins, Jr., Bennett K. Matlack (compiler), Mrs. Leslie Myatt, Mr. and Mrs. J. Stanley Quickmire, Mrs. James R. Randolph, William A. Richards, Sarah Frances Wheaton.

112. **Cape May, N. J.** (7½-mile radius centering at Rio Grande, Cape May County; salt marsh 15%, residential 15%, woodland 15%, beaches 5%, ocean and bay 50%).—Dec. 22; 5:30 a.m. to 4:30 p.m. Clear; temp. 40° to 55°; wind W to NW, 10-15 m.p.h. Forty observers in 9 parties. Total party-hours, 72 (54 on foot, 18 by car); total party-miles, 365 (135 on foot, 230 by car). Common Loon, 35; Red-throated Loon, **475**; Horned Grebe, **418**; Pied-

billed Grebe, 54; Gannet, 10; Double-crested Cormorant, 8; Great Blue Heron, **117**; Am. Egret, 33; Snowy Egret, 4; Louisiana Heron, 1; Little Blue Heron, 56; Black-crowned Night Heron, 24; Am. Bittern, 3; Canada Goose, 38; Am. Brant, **50,000**; Snow Goose, 1; Mallard, 132; Black Duck, 2500; Gadwall, 5; Am. Widgeon, 1550; Pintail, 8; Redhead, 2; Ring-necked Duck, 11; Canvas-back, 8; Greater Scaup, 55; Lesser Scaup, 50; Am. Goldeneye, 83; Buffle-head, 287; Old-squaw, 350; eider (sp), 1; White-winged Scoter, 165; Surf Scoter, 725; Am. Scoter, 1700; Ruddy Duck, 75; Hooded Merganser, 3; Red-breasted Merganser, 113; Turkey Vulture, 135; Sharp-shinned Hawk, 4; Cooper's Hawk, 6; Red-tailed Hawk, 18; Red-shouldered Hawk, 8; Bald Eagle, 3; Marsh Hawk, 54; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 43; Bob-white, 29; Ring-necked Pheasant, 1; Clapper Rail, 38; Am. Coot, 200; Piping Plover, 1; Ringed Plover, 2; Killdeer, 87; Black-bellied Plover, 120; Ruddy Turnstone, 1; Am. Woodcock, 6; Wilson's Snipe, 1; Greater Yellow-legs, 17; Lesser Yellow-legs, 1; Purple Sandpiper, 16; Least Sandpiper, 5; Red-backed Sandpiper, 1450; Semipalmated Sandpiper, 204; Western Sandpiper, 17; Sanderling, 685; Great Black-backed Gull, **865**; Herring Gull, 13,400; Ring-billed Gull, 1100; **Black-headed Gull, 1**; Laughing Gull, 1; Bonaparte's Gull, 135; **Black-legged Kittiwake, 1**; **Dovekie, 2**; Mourning Dove, 60; Barn Owl, 2; Horned Owl, 8; Short-eared Owl, 4; Belted Kingfisher, 13; Yellow-shafted Flicker, 106; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 20; Downy Woodpecker, 44; Horned Lark, 680; Tree Swallow, 42; Blue Jay, 128; Am. Crow, 2000; Fish Crow, 65; **Black-capped Chickadee, 1;** Carolina Chickadee, 185; Tufted Titmouse, 91; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 8; Winter Wren, 1; Carolina Wren, 100; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, **100**; Catbird, 10; Brown Thrasher, 2; Am. Robin, 2750; Hermit Thrush, 22; Eastern Bluebird, 53; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Water Pipit, 20; Cedar Waxwing, 48; Loggerhead Shrike, 2; Common Starling, 10,000; Myrtle Warbler, 2950; Common Yellowthroat, 4; House Sparrow, 1300; Eastern Meadowlark, 1100; Red-winged Blackbird, 10,500; Rusty Blackbird, 21; Purple Grackle, 1700; Brown-headed Cowbird, 4300; Cardinal, 260; Evening Grosbeak, 68; Purple Finch, 23; Pine Siskin, 130; Am. Goldfinch, 750; Eastern Towhee, 23; Ipswich Sparrow, 5; Savannah Sparrow, 65; Sharp-tailed Sparrow, 1; Seaside Sparrow, 12; Vesper Sparrow, 5; Slate-colored Junco, 215; Am. Tree Sparrow, 34; Chipping Sparrow, 1; Field Sparrow, 155; White-throated Sparrow, 1060; Fox Sparrow, 27; Swamp Sparrow, 26; Song Sparrow, 493; Snow Bunting, 12. **Total,** 136 species; about 119,599 individuals.—E. C. Archer, Harry T. Armstead, David E. Batezel, Harry P. Bodley, Alan Brady, David Cadbury, Joseph M. Cadbury, Ernest A. Choate (compiler), Larry Corn, Bette Cutler, David Cutler, Herbert S. Cutler, Howell Peniston, Joseph N. Felix, E. A. Guthrie, Henry Guthrie, Bernard S. Haines, Robert L. Haines, Stephen T. Harty, Joseph A. Jacobs, Oscar H. Joyce, Alfred J. Kronschnabel, Quintin Kramer, M. A. Linton, Edward R. Manners, David L. Marshall, E. Wayne Marshall, Jr., Virginia C. Marshall, John F. McIlvain, Richard F. Miller, John R. Moore, Alfred Nicholson, Julian K. Potter, C. L. Reagan, Edward J. Reimann, George B. Reynard, William P. Reynolds, Francis Stokes, Jr., P. B. Street, Brett Taylor (Delaware Valley Ornithological Club).

113. Great Swamp–Watchung Ridges, N. J. (7½-mile radius centering in New Providence; dry deciduous woods 25%, wet deciduous woods 15%, fields 30%, suburban 16%, evergreen 10%, reservoir area 3%, garbage dumps 1%).—Dec. 21; 7 a.m. to 5 p.m.; temp. 29° to 39°; wind N to NW, 10-15 m.p.h.; ground bare, streams and ponds open. Twenty-six observers in 5 parties. Total party-hours, 43 (27 on foot, 16 by car); total party-miles, 290 (40 on foot, 250 by car). Mallard, 321; Black Duck, 97; Gadwall, 5; Pintail, 45; Lesser Scaup, 1; Ruddy Duck, 1; Am. Merganser, 30; Red-breasted Merganser, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 5; Sparrow Hawk, 6; Ring-necked Pheasant, 15; Killdeer, 2; Wilson's Snipe, 1; Great Black-backed Gull, 4; Herring Gull, **3781**; Ring-billed Gull, 44; Mourning Dove, 165; Screech Owl, 3; Barred Owl, 1; Long-eared Owl, 6; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Hairy Woodpecker, 43; Downy Woodpecker, 113; Horned Lark, 1; Blue Jay, 335; Am. Crow, 188; Black-capped Chickadee, 343; Tufted Titmouse, 230; White-breasted Nuthatch, 145; Red-breasted Nuthatch, 7; Brown Creeper, 2; Carolina Wren, 2; Mockingbird, 1; Catbird, 6; Am. Robin, 36; Hermit Thrush, 3; Eastern Bluebird, 53; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 3; Cedar Waxwing, 1; Gray Shrike, 1; Common Starling, 1543; **Orange-crowned Warbler, 2** (seen several days by many observers); Myrtle Warbler, 29; House Sparrow, 630; Eastern Meadowlark, 21; Red-winged Blackbird, 25; **Baltimore Oriole, 1**; Rusty Blackbird, 3; Purple Grackle, 24; Brown-headed Cowbird, 202; Cardinal, 165; **Dickcissel, 1**; Evening Grosbeak, 4; Purple Finch, 33; Am. Goldfinch, 137; Eastern Towhee, 5; Slate-colored Junco, 542; Am. Tree Sparrow, 244; **Chipping Sparrow, 7** (regular at feeder); Field Sparrow, 24; White-throated Sparrow, 215; Fox Sparrow, 73. **Total,** 70 species; about 10,012 individuals.—Mrs. F. D. Beidleman, Mrs. F. L. Bower, W. D. de Camp, Mrs. C. T. Downey, Mrs. O. D. Grismore, Mr. and Mrs. James W. Hand, Charles Hoiles, Morris Humphries, Mrs. George Johnson, Mr. and Mrs. Neil Knorr, Mr. and Mrs. R. W. Krebs, Jeannette Middlebrook (compiler), Virginia Middlebrook, Mr. and Mrs. John T. Neal, A. H. Nichols, Hadley Roe, Mr. and Mrs. C. B. Schaughency, Mr. and Mrs. Albert Schnitzer, Lois Wenman, Mrs. John R. Whitlock.

114. Hackensack–Ridgewood, N. J. (7½-mile radius centering on River Edge Bridge, north to

N. Y. State line, south to Paterson Plank Rd.; woodland 30%, residential 29%, swamp 5%, brushy fields 5%, marsh 8%, river and lake fronts 21%, garbage dumps 1%, cemeteries 1%, 16 feeding stations).—Dec. 28; 7 a.m. to 5 p.m. Cloudy; temp. 38° to 44°; wind S, 3-5 m.p.h.; no ice or snow. Forty-five observers in 23 parties. Total party-hours, 117 (84 on foot, 33 by car); total party-miles, 406 (92 on foot, 314 by car). Canada Goose, 108; Mallard, 905; Black Duck, 570; Pintail, 6; Ring-necked Duck, 2; Canvas-back, **478**; Greater Scaup, 3; Lesser Scaup, 53; Am. Golden-eye, 19; Ruddy Duck, 29; Am. Merganser, 29; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 8; Sparrow Hawk, 19; Ring-necked Pheasant, 3; Am. Coot, 1; Killdeer, 5; Great Black-backed Gull, 30; Herring Gull, 947; Ring-billed Gull, 44; Bonaparte's Gull, 275; Mourning Dove, 128; Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Hairy Woodpecker, 37; Downy Woodpecker, 129; Blue Jay, 201; Am. Crow, 141; Black-capped Chickadee, 344; Tufted Titmouse, 155; White-breasted Nuthatch, 117; Red-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 7; **Catbird, 3**; Am. Robin, 7; Hermit Thrush, 1; Eastern Bluebird, 24; Ruby-crowned Kinglet, 5; Cedar Waxwing, 1; Common Starling, 3942; Myrtle Warbler, 38; House Sparrow, 788; Eastern Meadowlark, **65**; Red-winged Blackbird, 325; Purple Grackle, 4; Brown-headed Cowbird, 494; Cardinal, 125; Purple Finch, 10; **Common Redpoll, 5**; **Pine Siskin, 13**; Am. Goldfinch, 385; **Eastern Towhee, 4**; Savannah Sparrow, 6; Slate-colored Junco, 625; Am. Tree Sparrow, 467; Field Sparrow, 19; White-throated Sparrow, 233; Fox Sparrow, 8; Song Sparrow, 236. **Total,** 65 species; about 12,656 individuals.—E. R. Abeles, J. Albera, E. J. Arguello, Mrs. H. T. Armitt, H. T. Armitt, A. F. Barber, H. Beede, A. Bihun, Jr., Mrs. L. R. Bomm, Mrs. H. Brewer, H. Brewer, A. Crociata, Mrs. F. M. Cross, F. M. Cross, J. C. Demarest, A. Dunham, Mrs. F. G. Dunham, Mrs. N. Emig, N. Emig, G. C. Engel, D. Eves, Mrs. C. D. Fermier, Mrs. G. B. Fetter, H. S. Fisher, Mrs. F. C. Herrmann, M. Kuhnen, Mrs. R. W. Maisch, Mrs. F. J. McKenna, F. J. McKenna, Mrs. H. Metzel, D. Mouillesseaux, Mrs. P. M. O'Blenis, P. M. O'Blenis, D. Pallas, Mrs. F. J. Root, Mrs. D. A. Roser, D. A. Roser, Mrs. H. E. Rowlands, P. A. Ruby, Mrs. E. G. Smith, E. G. Smith, W. F. Standaert, Mrs. J. Van Saun, Mrs. W. S. Willis, Mrs. T. Wright (Hackensack and Ridgewood Audubon Societies).

115. Lakehurst, N. J. (Point Pleasant to Toms River, Lakehurst and Lakewood; pine woods 30%, deciduous woods 20%, cultivated land 5%, cedar swamps 5%, sand beach 10%, ocean 5%, ponds 5%, salt marsh 5%, towns 15%).—Dec. 28; 6:15 a.m. to 5 p.m. Fair a.m., cloudy p.m.; temp. 27° to 40°; wind SW, 0-30 m.p.h.; streams, ponds and bays open, ground bare. Seven observers in 4 parties. Total party-hours, 41 (20 on foot, 21 by car); total party-miles, 170 (14 on foot, 156 by car). Common Loon, 4; Red-throated Loon, 3; Horned Grebe, 32; Pied-billed Grebe, 9; Gannet, 7; Double-crested Cormorant, 4; Great Blue Heron, 4; Black-crowned Night Heron, 1; Am. Brant, 4; Snow Goose, 3; **Blue Goose, 1** [no details—Ed.]; Mallard, 25; Black Duck, 76; Am. Widgeon, 240; Redhead, 24; Ring-necked Duck, 23; Canvas-back, 80; Greater Scaup, **5100**; Lesser Scaup, 8; Am. Golden-eye, 73; Buffle-head, 41; Old-squaw, 2; Am. Scoter, 1; Ruddy Duck, 215; Hooded Merganser, 1; Am. Merganser, 5; Red-breasted Merganser, 6; Turkey Vulture, 1; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 14; Am. Coot, 51; Killdeer, 12; Black-bellied Plover, 2; Sanderling, 6; Great Black-backed Gull, 51; Herring Gull, 145; Ring-billed Gull, 14; Laughing Gull, 2; Bonaparte's Gull, 10; Mourning Dove, 12; Belted Kingfisher, 2; Hairy Woodpecker, 8; Downy Woodpecker, 20; Horned Lark, 1; Blue Jay, 40; Am. Crow, 142; Fish Crow, 4; Black-capped Chickadee, 2; Carolina Chickadee, 28; Tufted Titmouse, 17; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 7; **Mockingbird, 2**; Catbird, 1; Am. Robin, 32; Eastern Bluebird, 4; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 6; Cedar Waxwing, 12; Common Starling, 520; Myrtle Warbler, 2; Palm Warbler, **4**; House Sparrow, 120; Eastern Meadowlark, 45; Red-winged Blackbird, 5; Purple Grackle, 4; Brown-headed Cowbird, 4; Cardinal, **26**; Evening Grosbeak, **72**; Purple Finch, 2; Pine Siskin, **100**; Am. Goldfinch, 45; Eastern Towhee, 1; Savannah Sparrow, 2; Sharp-tailed Sparrow, 1; Slate-colored Junco, 40; Am. Tree Sparrow, 33; Field Sparrow, 10; White-throated Sparrow, 34; Fox Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 23. **Total,** 86 species; about 7770 individuals.—David Fables, Sue Fables (compiler), Robert Hirst, Leo Holland, Gary Straus, Harvey Straus, Milton Straus.

116. Long Branch, N. J. (Oceanport to Wreck Pond; bays and ponds 30%, beach front 25%, ocean 5%, brushy fields 10%, farmland 10%, marshes 10%, woods 10%).—Dec. 28; 6 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind W, 5 m.p.h.; no snow, ponds open. Forty observers in 13 parties. Total party-hours, 104 (50 on foot, 48 by car, 6 by boat); total party-miles, 420 (48 on foot, 360 by car, 12 by boat). Common Loon, 32; Red-throated Loon, **81**; Horned Grebe, 192; Pied-billed Grebe, 12; Gannet, 53; European Cormorant, 108; Double-crested Cormorant, 42; Great Blue Heron, 10; Black-crowned Night Heron, 1; Am. Bittern, 1; Mute Swan, 16; Canada Goose, 158; Am. Brant, 23; Snow Goose, 2; Mallard, 269; Black Duck, 449; Gadwall, 8; European Widgeon, 2; Am. Widgeon, 1564; Pintail, 6; Redhead, 8; Ring-necked Duck, 33; Canvas-back, 102; Greater Scaup, 2618; Lesser Scaup, 101; Am. Golden-eye, 122; Buffle-head, **236**; Old-squaw, 27; **King Eider, 2** (carefully identified); White-winged Scoter, 39; Surf Scoter, 15; Am. Scoter, 2; Ruddy Duck, **865**; Hooded Merganser, 2; Am. Merganser, 65; Red-breasted Merganser, 134; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk,

2; Marsh Hawk, 5; Sparrow Hawk, 34; Bob-white, 48; Ring-necked Pheasant, 20; Clapper Rail, 4; **Florida Gallinule, 1**; Am. Coot, 103; Killdeer, 19; Sanderling, 13; Iceland Gull, 2; Great Black-backed Gull, 619; Herring Gull, 9219; Ring-billed Gull, 314; Bonaparte's Gull, 1628; Black-legged Kittiwake, 2; Mourning Dove, **835**; Barn Owl, 3; Screech Owl, 1; Horned Owl, 4; Belted Kingfisher, 6; Yellow-shafted Flicker, 6; Hairy Woodpecker, 15; Downy Woodpecker, 77; Horned Lark, 64; Blue Jay, 131; Am. Crow, 360; Fish Crow, 17; Black-capped Chickadee, 7; Carolina Chickadee, 149; Tufted Titmouse, 101; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 3; Brown Creeper, 4; Carolina Wren, 21; Long-billed Marsh Wren, 2; Mockingbird, 7; Catbird, 2; Am. Robin, 226; Hermit Thrush, 2; Eastern Bluebird, 23; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 3; Common Starling, 3796; Myrtle Warbler, 34; Palm Warbler, 5; Common Yellowthroat, 2; **Yellow-breasted Chat, 1**; House Sparrow, 297; Eastern Meadowlark, 66; Red-winged Blackbird, 89; Rusty Blackbird, 6; Purple Grackle, 56; Brown-headed Cowbird, 38; Cardinal, **127**; Evening Grosbeak, **60**; Purple Finch, 7; Pine Siskin, 12; Am. Goldfinch, 228; Eastern Towhee, 5; Savannah Sparrow, 8; Slate-colored Junco, 336; Am. Tree Sparrow, 213; Chipping Sparrow, 1; Field Sparrow, 88; White-throated Sparrow, 222; Fox Sparrow, 1; Swamp Sparrow, 20; Song Sparrow, 118. **Total,** 109 species; about 27,398 individuals.—I. Black, P. Brody, J. Crowell, W. Davis, M. Day, J. L. Edwards, B. Einhorn, F. Elliott, A. Eynon, A. Gaines, D. Gill, F. Gill, Mrs. J. Guttmann, T. Hallowell, C. Hetzel, D. Kunkle, Mr. and Mrs. J. Lovett, G. McCallam, J. Mann, C. H. Nichols, N. Niosi, R. Pancoast, R. Rechnitz, G. Reeves, Carol Rosenthal, C. Rosenthal, D. Rosenthal, W. Sandford, G. Seeley (compiler), R. Sell, G. S. Stevenson, Mr. and Mrs. L. Toole, R. Young, F. Weinfeldt, E. Wisner, V. Wisner, F. Wolfarth, J. Wopat, Jr.

117. Moorestown–Maple Shade–Riverton, N. J. (same area as former years; farmland 43%, town suburbs 26%, deciduous woods 15%, river-front 8%, brushy meadows 7%, evergreen woods 1%).—Dec. 28; 7 a.m. to 11 p.m. Cloudy; temp. 30° to 56°; wind SW, 2-12 m.p.h.; ground bare, water areas open. Fifty-six observers in 33 parties. Total party-hours, 99 (51 on foot, 21 by car, 26 at feeders, 1 in duck boat); total party-miles, 210 (44 on foot, 165 by car, 1 by duck boat). Great Blue Heron, 1; Canada Goose, 17; Mallard, 85; Black Duck, 51; Am. Widgeon, 18; Pintail, 36; Blue-winged Teal, 1; Greater Scaup, 2; Old-squaw, 2; Ruddy Duck, **300**; Am. Merganser, 1; Red-breasted Merganser, 1; Turkey Vulture, 21; Sharp-shinned Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 47; Bob-white, 32; Ring-necked Pheasant, 33; Killdeer, 4; Herring Gull, 655; Ring-billed Gull, 68; Mourning Dove, 445; Barn Owl, 2; Screech Owl, 2; Long-eared Owl, 4; Yellow-shafted Flicker, 17; **Red-bellied Woodpecker, 1** (carefully identified—P.E.H.); Hairy Woodpecker, 12; Downy Woodpecker, 80; Horned Lark, 40; Blue Jay, 93; Am. Crow, 415; Fish Crow, 22; Black-capped Chickadee, 37; Carolina Chickadee, 231; Tufted Titmouse, 74; White-breasted Nuthatch, 47; Red-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 62; Am. Robin, **179**; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 4; Water Pipit, 20; Cedar Waxwing, 29; **Loggerhead Shrike, 1**; Common Starling, 3294; Myrtle Warbler, 1; House Sparrow, 1019; Eastern Meadowlark, 65; Red-winged Blackbird, 647; Purple Grackle, **1910**; Brown-headed Cowbird, 5; Cardinal, 152; **Evening Grosbeak, 6**; Purple Finch, 2; Pine Siskin, 36; Am. Goldfinch, 227; Eastern Towhee, 2; Savannah Sparrow, 3; Slate-colored Junco, 401; Am. Tree Sparrow, 96; Field Sparrow, 78; White-crowned Sparrow, 2; White-throated Sparrow, 362; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 178. **Total,** 75 species; about 11,726 individuals.—S. N. Aldridge, K. Balmé, M. P. Barrett, A. B. Borton, C. T. Bowers, C. Carter, B. and W. L. Cleaver, H. S. Coe, H. C. Collins, F. G. and M. Conrow, E. Dominguez, E. R. and T. W. Elkinton, E. T. and H. Gibson, E. L. Gillingham, C. J. Gremminger, B. S. Haines, M. Harris, W. K. Harrison, M. E. Hollinshead, P. E. Howard, Jr., B., D. E. and K. Lawyer, M. A. and M. R. Linton, A. W. H. and E. R. Lippincott, E. Litchfield, M. Lovell, H., H. L. and J. L. Moore (compilers), H. J. and L. A. Morgan, D. M. Nelson, D. R. B. Read, C. L. Reagan, H. W. and R. E. Ritchie, H. K. and W. H. Roberts, C. W. Rodman, A. M. and J. E. Rogers, R. Smythe, R. W. Stone, J. H. and S. Taylor, E. and M. F. Wallace, R. Wilkins, K. Wilson.

118. Morristown, N. J. (7½-mile radius centering on Ironia; open area 37%, woodland and wooded hills 49%, swamps and lowlands 5%, open lakes 9%).—Dec. 28; 6:30 a.m. to 5 p.m. Mostly cloudy; temp. 26° to 46°; wind SW to SE, 0-2 m.p.h. Thirty-five observers in 8 parties. Total party-hours, 70 (41 on foot, 29 by car); total party-miles, 349 (48 on foot, 301 by car). Horned Grebe, 3; Pied-billed Grebe, 12; Mute Swan, 23; Mallard, 3; Black Duck, 5; Pintail, 2; Redhead, 1; Canvas-back, 39; Greater Scaup, 8; Am. Golden-eye, 105; Bufflehead, 7; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 3; Ruffed Grouse, 7; Ring-necked Pheasant, 4; Herring Gull, 23; Mourning Dove, 62; Screech Owl, 6; Horned Owl, 6; Long-eared Owl, 4; Belted Kingfisher, 7; Yellow-shafted Flicker, 8; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 49; Downy Woodpecker, 143; Horned Lark, 6; Blue Jay, 182; Am. Crow, 347; Black-capped Chickadee, 477; Tufted Titmouse, 108; White-breasted Nuthatch, 125; Red-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 2; Carolina Wren, 11; **Mockingbird, 2**; Catbird, 1; Am. Robin, 59; Eastern Bluebird, 24; Golden-crowned Kinglet, 57; Ruby-crowned Kinglet, 5; Cedar Waxwing, 9; Gray Shrike, 1; Common Starling, 1938; Myrtle Warbler, 4; House Sparrow, 920; Eastern Meadowlark, 2; **Baltimore**

Oriole, 1; Rusty Blackbird, 4; Cardinal, 132; **Dickcissel**, 2; Evening Grosbeak, 6; Purple Finch, 60; Pine Grosbeak, 13; Pine Siskin, 179; Am. Goldfinch, 765; Red Crossbill, 1; Slate-colored Junco, 698; Am. Tree Sparrow, 581; Chipping Sparrow, 17; Field Sparrow, 14; White-throated Sparrow, 68; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 51. **Total**, 68 species; about 7426 individuals.—Mrs. Kenneth Absalon, Mrs. Henry Appleby, Mrs. F. L. Bower, George Bramson, Mrs. G. Brangwin, Mrs. Gail C. Cannon, Maurice Chaillet, Mrs. Ercel Francis, Mrs. Roberta Franklin, Mr. and Mrs. James Hand, Mrs. L. H. Haslwanter, Charles Hoiles, Gale Kirsten, May B. Leonard, Jeannette and Virginia Middlebrook, Mr. and Mrs. John T. Neal, Mr. and Mrs. J. M. Purcell, Dr. and Mrs. Richard P. Riesz, Mr. and Mrs. C. B. Schaughency, Edith Smith, Mrs. Foster D. Smith, Richard Thorsell, Mr. and Mrs. Melvin J. Weig (compiler), Mrs. John R. Whitlock, Dr. and Mrs. Albert Wittenberg (compiler), Darwin and Scott Wood (Morris Nature Club).

119. **Mount Holly, N. J.** (same area and habitats as last year).—Dec. 28; 7 a.m. to 4:30 p.m. Clear; temp. 36° to 42°; wind NW, 5 m.p.h. Nine observers. Total party-hours, 62 (6 on foot, 30 by car, 26 at stations); total party-miles, 92 (12 on foot, 80 by car). Great Blue Heron, 1; Pintail, 144; Turkey Vulture, 37; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Sparrow Hawk, 24; Herring Gull, 33; Ring-billed Gull, 17; Mourning Dove, 126; Long-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 12; Horned Lark, 60; Blue Jay, 22; Am. Crow, 536; Fish Crow, 8; Black-capped Chickadee, 8; Carolina Chickadee, 18; Tufted Titmouse, 15; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 9; Mockingbird, 13; Am. Robin, 3; Hermit Thrush, 1; Golden-crowned Kinglet, 3; Common Starling, 632; House Sparrow, 61; Eastern Meadowlark, 72; Red-winged Blackbird, 65; Purple Grackle, 27; Cardinal, 26; Dickcissel, 2; Evening Grosbeak, 125; Purple Finch, 10; Pine Siskin, 2; Am. Goldfinch, 128; Eastern Towhee, 2; Slate-colored Junco, 34; Am. Tree Sparrow, 7; Field Sparrow, 10; White-throated Sparrow, 60; Swamp Sparrow, 2; Song Sparrow, 4. **Total,** 48 species; about 2402 individuals.—S. T. Harty, May Middleton, Sherman Phillips, J. Russell Sprow, Elizabeth Pumyea, Nelson D. Pumyea (compiler), Mr. and Mrs. W. H. Trump.

120. **Northwestern Gloucester County, N. J.** (same area and habitat percentages as last year).—Dec. 29; 7 a.m. to 8 p.m. Clear after 8 a.m.; temp. 41° to 38°; wind NW to N, 7-10 m.p.h.; ponds and streams free of ice. Twenty-three observers in 10 parties. Total party-hours, 88 (35 on foot, 53 by car); total party-miles, 465 (76 on foot, 389 by car). Great Blue Heron, 4; **Am. Egret, 2**; Black-crowned Night Heron, 1; Black Duck, 68; Pintail, 410; Ruddy Duck, 300; Turkey Vulture, 409; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 25; Red-shouldered Hawk, 5; Bald Eagle, 3; Marsh Hawk, 10; Sparrow Hawk, 73; Bob-white, 60; Ring-necked Pheasant, 1; Great Black-backed Gull, 5; Herring Gull, 187; Ring-billed Gull, 32; Mourning Dove, 308; Barn Owl, 3; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 14; **Red-bellied Woodpecker,** 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 65; Eastern Phoebe, 1; Horned Lark, 510; Blue Jay, 80; Am. Crow, 916; Fish Crow, 23; Carolina Chickadee, 232; Tufted Titmouse, 143; White-breasted Nuthatch, 56; Red-breasted Nuthatch, 4; Brown Creeper, 4; Winter Wren, 6; Carolina Wren, 68; Mockingbird, 61; Catbird, 2; Am. Robin, 450; Hermit Thrush, 1; Eastern Bluebird, 26; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Common Starling, 9363; Myrtle Warbler, 5; Palm Warbler, 1; House Sparrow, 1185; Eastern Meadowlark, 161; Red-winged Blackbird, 432; Rusty Blackbird, 36; Purple Grackle, 4983; Brown-headed Cowbird, 266; Cardinal, 224; Evening Grosbeak, 2; Purple Finch, 9; Pine Siskin, 1; Am. Goldfinch, 821; Eastern Towhee, 1; Savannah Sparrow, 3; Slate-colored Junco, 1322; Am. Tree Sparrow, 144; Field Sparrow, 143; White-crowned Sparrow, 30; White-throated Sparrow, 572; Fox Sparrow, 1; Swamp Sparrow, 11; Song Sparrow, 282. **Total,** 74 species; about 24,640 individuals. (Seen during period: Killdeer, Black-capped Chickadee.)—Drew Byers, Tom Byers, Joe Devlin, Bob Drew, Kingsley Ebert, Dick Ebert, Josephine Estes, Russell Fowler, Hazel Gilbert, Mimi Glass, Wyn Glass, George Hitchner, Lois King, Harry Lake, Phil Lawrence, Roger Lawrence, Ed Manners, Thelma Middleton, W. R. Middleton (compiler), Ralph Pierce, Henry Rodberg, Dorothy Shuman, Dick Wright (Gloucester County Nature Club).

121. **Northwestern Hunterdon County, N. J.** (7½-mile radius centered on Clinton; cultivated farmlands 50%, abandoned farmland 10%, deciduous woodland 30%, ponds and water courses 5%, rural villages 5%).—Dec. 21; 7 a.m. to 4 p.m. Clear; temp. 50° to 57°; wind W, 10 m.p.h.; ground unfrozen, streams high, lowlands adjacent to streams partially flooded. Ten observers in 4 parties. Total party-hours, 36 (6 on foot, 30 by car); total party-miles, 280 (10 on foot, 270 by car). Mallard, 26; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 22; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 23; Ring-necked Pheasant, 9; Mourning Dove, 98; Long-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 38; Horned Lark, 30; Blue Jay, 19; Am. Crow, 2026; Black-capped Chickadee, 129; Tufted Titmouse, 36; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 3; Brown Creeper, 1; Mockingbird, 3; Eastern Bluebird, 17; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Common Starling, 3357; House Sparrow, 1025; Eastern Meadowlark, 77; Red-winged Blackbird, 29; Purple Grackle, 1; Brown-headed Cowbird, 20; Cardinal, 46; Pine Grosbeak, 3; Am. Goldfinch, 62; Slate-colored Junco, 242; Am. Tree Sparrow, 77;

Field Sparrow, 21; White-throated Sparrow, 5; Song Sparrow, 9. **Total,** 40 species; about 7509 individuals.—V. Abraitys, R. Bellis, D. Buckholz, Mrs. R. Chatfield, H. Drinkwater (compiler), R. Fritz, D. Johnson, J. Muller, N. Peet, N. C. Wyckoff (Hunterdon County Bird Club).

122. Oceanville, N. J. (same area as 1956, 7½-mile radius centered at Headquarters on Brigantine National Wildlife Refuge).—Dec. 28; 8 a.m. to 4 p.m. Cloudy; temp. 32° to 40°; wind SE, 10-15 m.p.h.; all water open. Twenty-eight observers in 6 parties. Total party-hours, 224 (56 on foot, 168 by car); total party-miles, 283 (35 on foot, 248 by car). Common Loon, 12; Red-throated Loon, 6; Horned Grebe, 217; Pied-billed Grebe, 25; Double-crested Cormorant, 3; Great Blue Heron, 72; Am. Egret, 36; Snowy Egret, 2; Little Blue Heron, 8; Black-crowned Night Heron, 72; Am. Bittern, 1; Mute Swan, 6; Whistling Swan, 4; Canada Goose, 500; Am. Brant, 100,000; **White-fronted Goose, 1** (present since early Dec.); Snow Goose, 21; Mallard, 2000; Black Duck, 30,000; Gadwall, 2; Am. Widgeon, 7000; Pintail, 3000; Green-winged Teal, 800; Shoveller, 600; Wood Duck, 1; Redhead, 12; Canvas-back, 11; Greater Scaup, 1380; Lesser Scaup, 210; Am. Golden-eye, 124; Buffle-head, 399; Old-squaw, 32; White-winged Scoter, 40; Surf Scoter, 10; Am. Scoter, 16; Ruddy Duck, 88; Hooded Merganser, 810; Am. Merganser, 16; Red-breasted Merganser, 95; Turkey Vulture, 8; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 4; Marsh Hawk, 25; Peregrine Falcon, 1; **Pigeon Hawk, 1**; Sparrow Hawk, 14; Bob-white, 18; Ring-necked Pheasant, 1; Clapper Rail, 5; Virginia Rail, 1; Am. Coot, 101; Killdeer, 45; Black-bellied Plover, 47; Am. Woodcock, 2; Greater Yellow-legs, 5; Lesser Yellow-legs, 1; Purple Sandpiper, 1; Red-backed Sandpiper, 1670; dowitcher (sp.), 1; Semipalmated Sandpiper, 5; Western Sandpiper, 7; Sanderling, 2002; Great Black-backed Gull, 238; Herring Gull, 7536; Ring-billed Gull, 554; Laughing Gull, 2; Bonaparte's Gull, 11; **Black Skimmer, 1**; Mourning Dove, 24; Barn Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 28; Hairy Woodpecker, 4; Downy Woodpecker, 26; Horned Lark, 30; Tree Swallow, 45; Blue Jay, 199; Am. Crow, 126; Black-capped Chickadee, 58; Carolina Chickadee, 153; Tufted Titmouse, 51; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 1; House Wren, 1; Winter Wren, 4; Carolina Wren, 32; Long-billed Marsh Wren, 2; Mockingbird, 22; Catbird, 1; Brown Thrasher, 1; Am. Robin, 50; Hermit Thrush, 3; Eastern Bluebird, 28; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 3; Common Starling, 1725; Myrtle Warbler, 676; Palm Warbler, 2; Common Yellowthroat, 1; House Sparrow, 432; Eastern Meadowlark, 220; Red-winged Blackbird, 241; Rusty Blackbird, 2; Purple Grackle, 2; Brown-headed Cowbird, 150; Cardinal, 88; Evening Grosbeak, 17; Purple Finch, 1; Pine Siskin, 20; Am. Goldfinch, 180; Eastern Towhee, 9; Ipswich Sparrow, 3; Savannah Sparrow, 30; Sharp-tailed Sparrow, 4; Seaside Sparrow, 3; Slate-colored Junco, 192; Am. Tree Sparrow, 88; Field Sparrow, 30; White-throated Sparrow, 274; Fox Sparrow, 9; Swamp Sparrow, 9; Song Sparrow, 99; Snow Bunting, 7. **Total,** 128 species; about 165,406 individuals.—Mrs. Dorothy Battersby, Paul Battersby (compiler), A. H. Bergey, Mrs. Elizabeth Brady, Alan Brady, Carl Brezler, Dan Butezel, Robert R. Cotton, David Cutler, William Forward, Al Kronschonabel, Frank W. McLaughlin, Mrs. Doris McLaughlin, Fred Mears, William Middleton, Richard Miller, John R. Moore, Elbert Nixdorf, J. K. Potter, J. Stanley Quickmire, Dale B. Sanville, Clarence Stasz, Edward J. Reimann, R. D. Twining, Fred Van Sant, Charles A. Wonderly, Richard Wright, Edward P. White (Audubon Wildlife Society).

123. Princeton, N. J. (within a 9¼-mile diameter centering on Graduate College; villages, estates, farms, lowland and upland deciduous woods, cedar and pine groves, swamp, marsh, lake, ponds, streams).—Dec. 29; 7 a.m. to 5:05 p.m. Clear; temp. 38° at start; wind W, light; ground bare, no ice. Nine observers in 5 parties plus 1 at a food station. Total party-hours, 38 (all on foot); total party-miles, 35 (all on foot). Pied-billed Grebe, 3; Mallard, 90; Black Duck, 3; Am. Widgeon, 2; Turkey Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 18; Wilson's Snipe, 1; Herring Gull, 2; **Ring-billed Gull, 25**; Mourning Dove, 47; Screech Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 14; Downy Woodpecker, 33; Horned Lark, 2; Blue Jay, 28; Am. Crow, 123; Fish Crow, 1; chickadee, **190** (Black-capped, 25+; Carolina, 8+); Tufted Titmouse, 50; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 1; Brown Creeper, 10; Winter Wren, 7; Carolina Wren, 14; Mockingbird, 4; Am. Robin, 22; Eastern Bluebird, 6; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 2; Cedar Waxwing, 2; shrike (sp.), 1; Common Starling, 2085; Myrtle Warbler, 174; **Pine Warbler, 1** (carefully identified); Palm Warbler, 5 (Western); House Sparrow, 571; Red-winged Blackbird, 35; Purple Grackle, 1000; Brown-headed Cowbird, 9; Cardinal, 79; Evening Grosbeak, 5; Purple Finch, 6; Pine Siskin, 2; Am. Goldfinch, 46; Eastern Towhee, 1; Slate-colored Junco, 238; Am. Tree Sparrow, 103; Field Sparrow, 13; White-throated Sparrow, 186; Swamp Sparrow, 8; Song Sparrow, 64. **Total,** 60 species; about 5410 individuals. (Seen census period: Green-winged Teal, Marsh Hawk, Killdeer.)—W. F. Alston, E. D. Bloor, Jr., R. D. Dingle, C. A. Fox, R. M. Laughlin, C. F. Leck, F. W. Loetscher, Jr., W. E. Parker, C. H. Rogers (compiler), A. L. Shinn.

124. Ramsey, N. J. (7½-mile radius circle with center in Lake Erskine, including Wanaque Reservoir, Pompton Lake, Pines Lake, Greenwood Lake, Franklin Lakes, towns of Ramsey, Mahwah, Allendale; lakes and ponds 16%, deciduous woodland 22%, evergreen woodland 3%, unplowed fields and brush 33%, plowed fields 5%, marsh 2%, golf

courses and estates 2%, suburban 17%).—Dec. 28; 7:30 a.m. to 4 p.m. Partly cloudy; temp. 29° to 45°; wind SE, 5 m.p.h.; no snow, lakes and ponds open. Thirty-two observers in 7 parties. Total party-hours, 56 (42 on foot, 14 by car); total party-miles, 438 (38 on foot, 400 by car). Horned Grebe, 6; Pied-billed Grebe, 7; Mute Swan, 7; Canada Goose, 112; Mallard, 283; Black Duck, 59; **Blue-winged Teal, 8**; **Wood Duck, 1**; Ring-necked Duck, 13; Greater Scaup, 14; Am. Golden-eye, 20; Buffle-head, 17; **Ruddy Duck, 2**; Hooded Merganser, 1; Am. Merganser, 471; Red-breasted Merganser, [illegible]; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Ruffed Grouse, 5; Ring-necked Pheasant, 2; Am. Coot, 35; **Wilson's Snipe, 1**; Herring Gull, 300; Ring-billed Gull, 3; Mourning Dove, 102; Screech Owl, 5; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; **Red-headed Woodpecker, 2**; Hairy Woodpecker, 27; Downy Woodpecker, 99; Blue Jay, 284; Am. Crow, 90; Black-capped Chickadee, 375; Tufted Titmouse, 158; White-breasted Nuthatch, 86; Red-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 4; **Mockingbird, 2**; Am. Robin, 13; Hermit Thrush, 3; Eastern Bluebird, 7; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 3; Cedar Waxwing, 5; Common Starling, 1387; **Yellow-breasted Chat, 1** (present since Dec. 8); House Sparrow, 611; **Eastern Meadowlark, 17**; Red-winged Blackbird, 2; Brown-headed Cowbird, 2; Cardinal, 75; Evening Grosbeak, 108; Purple Finch, 51; **Pine Grosbeak, 3**; Pine Siskin, 37; Am. Goldfinch, **455**; Eastern Towhee, 3; **Savannah Sparrow, 1**; Slate-colored Junco, 1049; Am. Tree Sparrow, 342; **Chipping Sparrow, 2**; Field Sparrow, 3; White-throated Sparrow, 93; Fox Sparrow, 3; Song Sparrow, 46. **Total,** 70 species; about 6973 individuals. (Old-squaw, Marsh Hawk seen count period.)—E. Bevilacqua, B. Charkowski, F. Chrapliwy, D. Cockcroft, J. Dater, Mrs. J. Dater, Mrs. G. Delaney, J. Dietert, K. Dietert, R. Dietert, Mrs. R. Dietert, V. Frost III, Mrs. L. Gottfried, B. Harsh, R. Harsh, R. Jones, V. Kieffer (compiler), R. Mackenzie, C. Malley, J. Miller, Mrs. J. Miller, N. Mueller, J. Nelson, Mrs. C. Pulis, Mrs. N. Sjolander, S. Stedman, S. Thomas, H. Walcott, Mrs. H. Walcott, L. Webster, Mrs. L. Webster, N. Woodson (Fyke Nature Association).

125. Raritan Estuary, N. J. (same area and habitats as in previous years).—Dec. 23; 6:40 a.m. to 5 p.m. Clear; temp. 31° to 54°; wind SW, 5-8 m.p.h.; ground clear of snow, water open. Six observers in 4 parties. Total party-hours, 27 (16 on foot, 11 by car); total party-miles, 91 (17 on foot, 74 by car). Horned Grebe, 5; Double-crested Cormorant, 3; Great Blue Heron, 2; Mallard, 6; Black Duck, 9; Canvas-back, 302; Greater Scaup, 1505; Am. Golden-eye, 19; Buffle-head, 58; Old-squaw, 11; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Great Black-backed Gull, 21; Herring Gull, 3640; Ring-billed Gull, 23; Laughing Gull, 1; Bonaparte's Gull, 98; Mourning Dove, 29; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 41 (2 races); Blue Jay, 23; Am. Crow, 59; Black-capped Chickadee, 16; Carolina Chickadee, 9; Tufted Titmouse, 34; White-breasted Nuthatch, 12; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 2; Am. Robin, 5; Golden-crowned Kinglet, 2; Common Starling, 490 in daytime, 120,000 in roost; Myrtle Warbler, 8; House Sparrow, 195; Eastern Meadowlark, 2; Red-winged Blackbird, 59 in daytime, 105,000 in roost; Rusty Blackbird, 1; Purple Grackle, 11 in daytime, 30,000 in roost; Brown-headed Cowbird, 146 in daytime, 45,000 in roost; Cardinal, 14; Pine Siskin, 1; Am. Goldfinch, 51; Eastern Towhee, 1; Savannah Sparrow, 4; Slate-colored Junco, 102; Am. Tree Sparrow, 224; Field Sparrow, 1; White-throated Sparrow, 14; Fox Sparrow, 2; Swamp Sparrow, 16; Song Sparrow, 39. **Total,** 56 species (1 additional subspecies); about 306,647 individuals. (In area count period: Red-breasted Merganser, Cooper's Hawk, Barn Owl, Screech Owl, Yellow-shafted Flicker, Long-billed Marsh Wren, Eastern Bluebird.)—Irving H. Black, Thomas Y. Butler, Geoffrey D. Cant, Gilbert Cant (compiler), David Fables, Milton Gold (Urner Ornithological Club).

126. Somerville, N. J. (same area as last year; evergreen woods 2%, deciduous woods 30%, suburban areas 20%, farmland including river 46%, swamp 2%).—Dec. 29; 7 a.m. to 4 p.m. Sunny; temp. 30° to 45°; wind SW, 0-5 m.p.h. Twenty-five observers in 6 parties. Total party-hours, 40 (15 on foot, 25 by car); total party-miles, 346 (20 on foot, 326 by car). Great Blue Heron, 1; Mallard, 4; Turkey Vulture, 2; Goshawk, 1 [no details—Ed.]; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 28; Ruffed Grouse, 1; Ring-necked Pheasant, 13; Herring Gull, 151; Ring-billed Gull, 13; Mourning Dove, 87; Screech Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 36; Horned Lark, 31; Blue Jay, 52; Am. Crow, 327; Black-capped Chickadee, 142; Tufted Titmouse, 51; White-breasted Nuthatch, 33; Brown Creeper, 2; Mockingbird, 3; Am. Robin, 19; Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Loggerhead Shrike, 1; Common Starling, 1125; Myrtle Warbler, 36; House Sparrow, 636; Eastern Meadowlark, 10; Red-winged Blackbird, 17; Purple Grackle, 5; Brown-headed Cowbird, 7; Cardinal, 49; Purple Finch, 14; Pine Siskin, 2; Am. Goldfinch, 64; Eastern Towhee, 1; Slate-colored Junco, 219; Am. Tree Sparrow, 71; Chipping Sparrow, 11; Field Sparrow, 1; White-throated Sparrow, 48; Song Sparrow, 10. **Total,** 51 species; about 3353 individuals.—Kitty Chamberlain, Glenn Coven, Mr. and Mrs. Fred Drucker, Virginia Fitts, Mrs. Harold Gillespie, Kate Glassey, Mr. and Mrs. Gordon Glenn, Mary V. Griswold (compiler), Ben Haddock, Ann Herrick, Vincent Kaselis, James Moise, Mr. and Mrs. Ted Pettit, Ann Pettit, Beth Pettit, Mr. and Mrs. Don Ross, Mr. and Mrs. Malcolm Schandle, Helen Stevens, Mrs. G. Stryker, Gerard Vriens, Mrs. Charles Wiebusch, Mr. and Mrs. M. Zimmerman.

127. Sussex County, N. J. (same area as in previous years).—Dec. 29; 7 a.m. to 6:30 p.m. Clear; temp. 34°; wind NW, 20 m.p.h.; large lakes open. Sixteen observers in 6 parties, 4 at feeders. Total party-hours, 47 (3 on foot, 44 by car); total party-miles, 366 (6 on foot, 360 by car). Horned Grebe, 2; Great Blue Heron, 2; Mute Swan, 9; Mallard, 5; Black Duck, 92; Wood Duck, 1; Lesser Scaup, 7; Hooded Merganser, 1; Am. Merganser, 184; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Am. Coot, 5; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 244; Mourning Dove, 326; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 21; Downy Woodpecker, 61; Horned Lark, 28; Blue Jay, 41; Am. Crow, 104; Black-capped Chickadee, 270; Tufted Titmouse, 15; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 1; Brown Creeper, 4; Am. Robin, 7; Eastern Bluebird, 1; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 8; Cedar Waxwing, 1; Common Starling, 1805; House Sparrow, 1175; Eastern Meadowlark, 22; Red-winged Blackbird, 1; Rusty Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 36; Evening Grosbeak, 5; Common Redpoll, 8; Am. Goldfinch, 197; Eastern Towhee, 1; Slate-colored Junco, 153; Am. Tree Sparrow, 262; Field Sparrow, 1; White-throated Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 11. **Total,** 59 species; about 5203 individuals.—Allen Black, Ella Black (compiler), Beth Case, Elizabeth Cherepy, Louis Cherepy, Eleanor Coes, H. V. Coes, Mrs. A. F. Dillman, Mrs. C. Haight, Mrs. Marshall Hunt, George Johnson, Betty Kientzler, Charles Kientzler, Beverly Post, Mrs. B. Post, Mrs. Clarkson Potter, Eva Rodimer, James Zamos.

128. Allentown, Pa. (same area and habitat percentages as last year).—Dec. 28; 8 a.m. to 4 p.m. Sunny; temp. 30° to 45°; wind NW, 0-13 m.p.h. Eight observers in 3 parties. Total party-hours, 24 (21 on foot, 3 by car); total party-miles, 81 (17 on foot, 64 by car). Black-crowned Night Heron, 14; Canada Goose, 5; Mallard, 939; Black Duck, 28; Am. Widgeon, 85; Green-winged Teal, 5; Hooded Merganser, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 5; Ring-necked Pheasant, 26; Herring Gull, 8; Mourning Dove, 321; Long-eared Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 6; Hairy Woodpecker, 13; Downy Woodpecker, 27; Blue Jay, 21; Am. Crow, 184; Black-capped Chickadee, 120; Tufted Titmouse, 55; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 6; Mockingbird, 3; Am. Robin, 1; Golden-crowned Kinglet, 9; **Ruby-crowned Kinglet,** 1; Common Starling, 2153; House Sparrow, 867; Eastern Meadowlark, 22; Purple Grackle, 315; Brown-headed Cowbird, 135; Cardinal, 63; Am. Goldfinch, 5; **Eastern Towhee,** 1; Slate-colored Junco, 69; Am. Tree Sparrow, 20; White-throated Sparrow, 28; Swamp Sparrow, 4; Song Sparrow, 36. **Total,** 45 species; about 5638 individuals.—Robert Miller, Clinton Miller, Carl E. Montgomery (compiler), Ann Pettock, Miriam Schantz, Walter A. Thurber, John E. Trainer, Leonard Wesson (Lehigh Valley Bird Club).

129. Apollo, Pa. (15-mile diameter circle centered about 7½ miles east of Apollo; deciduous woodlands 40%, open farmland 35%, brushy fields 20%, towns and suburbs 3%, ponds and streams 2%).—Dec. 31; 7:30 a.m. to 5 p.m. Intermittently overcast; temp. 28° to 50°; wind SSE, 12 m.p.h. Two observers in 1 party. Total party-hours, 9½ (6½ on foot, 3 by car); total party-miles, 42 (12 on foot, 30 by car). Mallard, 12; Am. Golden-eye, 3; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 7; Ring-necked Pheasant, 18; Killdeer, 9; Screech Owl, 2; Horned Owl, 6; Pileated Woodpecker, 1; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 7; Downy Woodpecker, 18; Horned Lark, 15; Blue Jay, 10; Am. Crow, 11; Black-capped Chickadee, 52; Tufted Titmouse, 41; White-breasted Nuthatch, 17; Brown Creeper, 6; Winter Wren, 1; Am. Robin, 24; **Eastern Bluebird,** 3; Golden-crowned Kinglet, 7; Cedar Waxwing, 7; Common Starling, 320; House Sparrow, 67; Cardinal, 74; Am. Goldfinch, 3; Slate-colored Junco, 141; Am. Tree Sparrow, 159; Field Sparrow, 2; Song Sparrow, 6. **Total,** 34 species; about 1057 individuals. (Seen in area count period: Bob-white.)—William W. Cole, Jr. (compiler), Paul E. Ross (Cole and Ross Avian Research Laboratory).

130. Carlisle, Pa. (same area as 1951; creeks, ponds, and springs 35%, open farmland 35%, mixed woodland 15%, deciduous farm woodlots 10%, town suburbs 5%).—Dec. 28; 7:30 a.m. to 5 p.m. Cloudy; temp. 33° to 45°; wind E, 4-8 m.p.h.; ground bare, streams and ponds unfrozen. Five observers in 2 parties. Total party-hours, 17 (8 on foot, 9 by car); total party-miles, 158 (10 on foot, 148 by car). Pied-billed Grebe, 1; Mallard, 50; Cooper's Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 12; Killdeer, 16; Wilson's Snipe, 4; Mourning Dove, 5; Belted Kingfisher, 10; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 16; Horned Lark, 37; Blue Jay, 7; Am. Crow, 2000; Black-capped Chickadee, 51; Tufted Titmouse, 27; V[illegible] breasted Nuthatch, 21; Brown Creeper, 2; Wi[illegible] Wren, 2; Carolina Wren, 5; Mockingbird, 14; Am. Robin, 1; **Eastern Bluebird,** 4; Golden-crowned Kinglet, 6; Common Starling, 1500; House Sparrow, 500; Eastern Meadowlark, 4; **Red-winged Blackbird, 41**; Cardinal, 73; Evening Grosbeak, 48; Am. Goldfinch, 13; Slate-colored Junco, 40; Am. Tree Sparrow, 68; Field Sparrow, 1; White-crowned Sparrow, 8; White-throated Sparrow, 5; Song Sparrow, 32. **Total,** 39 species; about 4636 individuals. (Seen in area count period: Am. Merganser, Red-tailed Hawk, Ruby-crowned Kinglet, Pine Grosbeak, Swamp Sparrow.)—Forrest C. Grimm (compiler), Mr. and Mrs. J. C. M. Grimm, Mr. and Mrs. H. G. Van Riper.

131. **Chambersburg, Pa.** (circle centered about 7 miles west and 1 mile north of Chambersburg; brush and fencerows 40%, lakes and ponds 25%, forest 15%, stream edges and marshes 10%, fields 5%, feeders 5%).—Jan. 1; 6 a.m. to 7 p.m. Cloudy to clear; temp. 30° to 45°; wind NW, 10-30 m.p.h.; ground bare, waters open. Eight observers in 4 parties plus 2 at feeders. Total party hours, 20 (11 on foot, 6 by car, 3 at feeders); total party-miles, 112 (7 on foot, 105 by car). Am. Merganser, **20**; Sparrow Hawk, 4; Bob-white, 4; Am. Coot, 1; Mourning Dove, 20; Yellow-shafted Flicker, 4; **Red-bellied Woodpecker, 1**; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 12; Blue Jay, 8; Am. Crow, **22,000**; **Fish Crow, 35**; Black-capped Chickadee, 24; Tufted Titmouse, 12; White-breasted Nuthatch, 11; Brown Creeper, 5; Carolina Wren, 7; Mockingbird, 2; Am. Robin, 1; Golden-crowned Kinglet, 5; Common Starling, 1121; House Sparrow, 453; Eastern Meadowlark, 15; Cardinal, 29; **Evening Grosbeak, 9**; Am. Goldfinch, 18; Slate-colored Junco, 53; Am. Tree Sparrow, 12; Field Sparrow, 1; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 21. **Total,** 33 species; about 23,918 individuals. (Seen count period: Pileated Woodpecker, Purple Grackle, Fox Sparrow.) [Both reports submitted by Joseph Beatty were exceptionally neat and well documented with excellent substantiating details—Ed.]—Dorothy D. Beatty, Herman D. Beatty, Joseph A. Beatty (compiler), Mr. and Mrs. Charles Bender, J. Herbert Springer.

132. **Clairton, Pa.** (same area as in previous years).—Dec. 28; 8 a.m. to 5:30 p.m. Overcast, slight rain p.m.; temp. 38° to 42°; wind W to SW, 8-12 m.p.h.; streams and ponds open, ground bare. Two observers in 1 party. Total party-hours, 9½; total party-miles, 8 (all on foot). Sharp-shinned Hawk, 1; **Wilson's Snipe, 1**; Screech Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Am. Crow, 3; Black-capped Chickadee, 2; Carolina Chickadee, 5; Tufted Titmouse, 8; Carolina Wren, 11; Common Starling, 52; House Sparrow, 18; Cardinal, 17; Slate-colored Junco, 18; Song Sparrow, 4. **Total,** 15 species; 147 individuals.—Ellis H. Shimp (compiler), Hattie P. Shimp.

133. **Deer Creek (Allegheny Co.), Pa.** (Denny's Pond to Carson's, both sides of creek, wooded section west of turnpike, Hulton Bridge to lower end of 14-mile Island; deciduous woodland 65%, open farmland 15%, marsh 5%, urban 15%).—Dec. 28; 7:30 a.m. to 4 p.m.; temp. 25° to 37°. Two observers in 1 party. Total party-hours, 8½ (all on foot); total party-miles, 11 (all on foot). Hairy Woodpecker, 2; Downy Woodpecker, 4; Am. Crow, 3; Black-capped Chickadee, 9; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Common Starling, 23; House Sparrow, 5; Cardinal, 1; Am. Tree Sparrow, 11; Song Sparrow, 4. **Total,** 11 species; 66 individuals.—C. W. Schuck (compiler), Robert Sheffler.

134. **Easton, Pa.** (7½-mile radius from junction of Delaware and Lehigh Rivers; open farmland 50%, overgrown fields 25%, deciduous woods 25%).—Dec. 23; 7 a.m. to 4:30 p.m. Clear; temp. 30° to 55°; wind NW, 0-15 m.p.h. Five observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 131 (3 on foot, 128 by car). Mallard, 10; Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 1; Mourning Dove, 31; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 19; Horned Lark, 39; Blue Jay, 3; Am. Crow, 143; Black-capped Chickadee, 96; Tufted Titmouse, 13; White-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 6; Mockingbird, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Common Starling, 4544; House Sparrow, 311; Eastern Meadowlark, 3; Purple Grackle, 25; Brown-headed Cowbird, 1; Cardinal, 31; Am. Goldfinch, 40; Slate-colored Junco, 49; Am. Tree Sparrow, 26; Field Sparrow, 7; White-throated Sparrow, 7; Song Sparrow, 7. **Total,** 34 species; about 5447 individuals. (Seen in area count period: Black Duck, Am. Widgeon, Ring-necked Pheasant, Herring Gull, Myrtle Warbler, Purple Finch.) [Exceptionally neat, carefully prepared report with details for all unusual species—Ed.]—Dr. and Mrs. George A. Clark, George A. Clark, Jr. (compiler), James L. Dyson, Charles W. Saalfrank.

135. **Elverson, Pa.** (same area as in previous years).—Dec. 21; 6:30 a.m. to 5:30 p.m. Clear; temp. 40° to 60°; wind W, 5-20 m.p.h.; ground bare, streams and ponds open. Fourteen observers in 7 parties. Total party-hours, 56 (33 on foot, 23 by car); total party-miles, 339 (47 on foot, 292 by car). Great Blue Heron, 1; **Am. Bittern, 1**; Canada Goose, 284; Mallard, 171; Black Duck, 31; Ruddy Duck, 1; Turkey Vulture, 39; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 21; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 33; Ruffed Grouse, 9; Ring-necked Pheasant, 66; Killdeer, 4; Wilson's Snipe, 2; Mourning Dove, 110; Screech Owl, 3; Horned Owl, 9; Long-eared Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 18; Pileated Woodpecker, 3; Red-bellied Woodpecker, 2; Hairy Woodpecker, 18; Downy Woodpecker, 65; Horned Lark, 227; Blue Jay, 133; Am. Crow, 1640; Black-capped Chickadee, 274; Carolina Chickadee, 6; Tufted Titmouse, 140; White-breasted Nuthatch, 60; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 28; Mockingbird, 15; Am. Robin, 3; Eastern Bluebird, 48; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 2; Common Starling, 2809; Myrtle Warbler, 10; House Sparrow, 1215; Eastern Meadowlark, 72; Red-winged Blackbird, 49; Rusty Blackbird, 3; Purple Grackle, 1947; Brown-headed Cowbird, 6; Cardinal, 154; Purple Finch, 17; Pine Grosbeak, 9; Am. Goldfinch, 448; Eastern Towhee, 1; Slate-colored Junco, 697; Am. Tree Sparrow, 299; **Chipping Sparrow, 1**; Field Sparrow, 21; White-throated Sparrow, 132; Swamp Sparrow, 5; Song Sparrow, 66. **Total,** 62 species; about 11,474 individuals. (Seen count period: Pied-billed Grebe, Red-headed Woodpecker, Evening Grosbeak.)—Clio Bryn, Robert E. Cook (compiler), John and Sarah

Frankenfield, Robert Gordon, Beryl E. Hurlock, Phyllis L. Hurlock, Matthew J. Spence, Arthur T. Sigman, Smith Sigman, Phillip Street, Norman Styer, Mary Thomas, Ira Weigly (Elverson Bird Club and friends).

136. Glenolden, Pa. (7½-mile radius from Wallingford, same territory as in previous years; marsh 30%, deciduous woodland 20%, pine woods 15%, town suburbs 10%, water 10%, uncultivated fields 10%, farmland 5%).—Dec. 21; 3:15 a.m. to 9 p.m. Clear; temp. 50° to 50°; no wind; water open, flooding along creeks due to heavy rain previous day. Fifteen observers in 8 parties. Total party-hours, 85 (30 on foot, 55 by car); total party-miles, 451 (39 on foot, 412 by car). Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 3; Black-crowned Night Heron, 3; Canada Goose, 90; Mallard, 378; Black Duck, 1441; Am. Widgeon, 2; Pintail, 12,500; Green-winged Teal, 200; Greater Scaup, 1; Bufflehead, 10; **Surf Scoter, 1**; Ruddy Duck, 4034; Am. Merganser, 3; Red-breasted Merganser, 1; Turkey Vulture, 6; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 28; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 16; Sparrow Hawk, 19; Ring-necked Pheasant, 20; Am. Coot, 15; Killdeer, 13; Wilson's Snipe, 7; Great Black-backed, Gull, **67**; Herring Gull, 235; Ring-billed Gull, 247; Laughing Gull, 1; Mourning Dove, 17; Barn Owl, 3; Screech Owl, **39**; Horned Owl, 6; Short-eared Owl, 8; Saw-whet Owl, **3**; Belted Kingfisher, 12; Yellow-shafted Flicker, 9; **Red-bellied Woodpecker, 2**; Hairy Woodpecker, 20; Downy Woodpecker, 76; Horned Lark, 294; Blue Jay, 131; Am. Crow, 484; Fish Crow, 8; Black-capped Chickadee, **282**; Carolina Chickadee, 22; Tufted Titmouse, 143; White-breasted Nuthatch, 62; Red-breasted Nuthatch, 2; Brown Creeper, 8; House Wren, 7; Winter Wren, 7; Carolina Wren, 47; Long-billed Marsh Wren, 1; Mockingbird, 22; Catbird, 1; Brown Thrasher, 3; Am. Robin, 121; Hermit Thrush, 6; Eastern Bluebird, 39; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, **9**; Water Pipit, 2; Cedar Waxwing, 70; Loggerhead Shrike, 1; Common Starling, 8015; Myrtle Warbler, 14; House Sparrow, 528; Eastern Meadowlark, 84; Red-winged Blackbird, 2413; Rusty Blackbird, 14; Purple Grackle, 30; Brown-headed Cowbird, 18; Cardinal, 180; Purple Finch, 7; Pine Siskin, 26; Am. Goldfinch, 566; Eastern Towhee, 2; Savannah Sparrow, 19; Slate-colored Junco, 434; Am. Tree Sparrow, 1775; Field Sparrow, 189; White-crowned Sparrow, 14; White-throated Sparrow, 2926; Fox Sparrow, 99; Swamp Sparrow, 427; Song Sparrow, 2299; Lapland Longspur, 2; Snow Bunting, 63. **Total,** 92 species; about 41,499 individuals. [Exceptionally neat, carefully prepared report—Ed.]—C. W. Craig, C. D. Craig, David Cutler, Paul DeAoun, Mabel Gillespie, Richard Joos, T. Norman Mason, John C. Miller, Charles E. Price, Jr., Edward H. Rigby (compiler), E. H. Rigby, 3rd., Paul W. Schwalbe, Grace Selser, Sheldon Severinghaus, J. Kenneth Wright, Jr. (Delaware Valley Ornithological Club).

137. Harrisburg, Pa. (same area as previous year; mixed woodland 45%, open fields 15%, creeks and river 25%, ponds and marshes 10%, pine woods 5%).—Dec. 29; 7 a.m. to 5 p.m. Clear; temp 33° to 43°; wind W, 15-18 m.p.h; ground bare, river, creeks and ponds open. Eight observers in 5 parties. Total party-hours, 30 (23 on foot, 7 by car); total party-miles, 188 (17 on foot, 171 by car). Pied-billed Grebe, 1; Mallard, 191; Black Duck, 187; Gadwall, 6; Am. Widgeon, 20; Pintail, 47; Green-winged Teal, 2; Wood Duck, 2; Am. Golden-eye, 29; Bufflehead, 7; Am. Merganser, 20; Red-tailed Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 2; Ring-necked Pheasant, 4; Killdeer, 12; Wilson's Snipe, 3; Herring Gull, 36; Ring-billed Gull, 5; Mourning Dove, 65; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 18; Horned Lark, 50; Blue Jay, 2; Am. Crow, 415; Black-capped Chickadee, 73; Tufted Titmouse, 14; White-breasted Nuthatch, 10; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 11; Mockingbird, 7; Catbird, 1; Am. Robin, 3; Golden-crowned Kinglet, 2; Cedar Waxwing, 2; Common Starling, 1271; House Sparrow, 297; Rusty Blackbird, 3; Purple Grackle, 1; Cardinal, 38; Am. Goldfinch, 77; Slate-colored Junco, 24; Am. Tree Sparrow, 2; White-throated Sparrow, 4; Fox Sparrow, 4; Song Sparrow, 21. **Total,** 50 species; about 3022 individuals.—Robert Cook, George Gruber, D. L. Knohr (compiler), Elsie Knohr, Anne Kutz, A. N. Metcalfe, Frances Seibert, Joseph Snow (Harrisburg Bird Club).

138. Lancaster, Pa. (7½-mile radius centered on Millersville, including Susquehanna River from Columbia to Pequea, middle and lower Conestoga River valley, Lancaster suburbs and parks; Susquehanna River 40%, parks and suburbs 10%, conifer plantings 5%, grass and pasturelands 15%, small streams 10%, light woodlands 10%, heavy woodlands 10%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear to cloudy; temp. 32° to 45°; wind NE, 5 m.p.h.; water open, no snow or ice. Twenty-three observers in 5 parties. Total party-hours, 39 (27 on foot, 12 by car); total party-miles, 166 (46 on foot, 120 by car). Horned Grebe, 2; Whistling Swan, 21; Mallard, 739; Black Duck, 1731; Am. Widgeon, 128; Am. Golden-eye, 35; Am. Merganser, 29; Turkey Vulture, 8; Cooper's Hawk, 2; Red-tailed Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 12; Ring-necked Pheasant, 72; Killdeer, 9; Great Black-backed Gull, 1; Herring Gull, 52; Ring-billed Gull, 53; Mourning Dove, 29; Short-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 53; Horned Lark, 4; Blue Jay, 21; Am. Crow, 480; Fish Crow, 29; Black-capped Chickadee, 180; Tufted Titmouse, 59; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 5; Brown Creeper, 11; Winter Wren, 6; Carolina Wren, 35; Mockingbird, 11; Am. Robin, 7; Eastern Bluebird, 4; Golden-crowned Kinglet, 11; Common Starling, 2395; **Yellow-breasted Chat, 1**; House Sparrow, 728; Eastern Meadowlark, 4; Red-winged Blackbird,

1; Purple Grackle, **2110**; Cardinal, 94; Am. Goldfinch, 153; Eastern Towhee, 2; Slate-colored Junco, 258; Am. Tree Sparrow, 42; Field Sparrow, 2; White-crowned Sparrow, 31; White-throated Sparrow, 137; Swamp Sparrow, 3; Song Sparrow, 57; Snow Bunting, 1. **Total,** 57 species; about 9926 individuals.—Carl Bostrom, H. C. Brown, Jr., Mrs. David Clark, Jack Clark, K. B. Corbett (compiler), Richard Eyde, Carl Fasnacht, Boyd Griffiths, Mary Grace Helm, R. L. Hess, William Mendenhall, Mrs. Clay Price, J. W. Price, Sr., J. W. Price, Jr., Ruth Sener, Richard Sheppard, George Sinkler, R. W. Stevenson, Mr. and Mrs. C. Y. Tanger, Mr. and Mrs. J. L. Weaver, H. R. Woerner, W. H. Yeager (Lancaster County Bird Club).

139. **Lewisburg, Pa.** (same area as last year; mixed woodland 25%, mountain woodland 18%, farmland 40%, river and creek bank 10%, cattail marsh 5%, suburb 2%).—Dec. 31; 6 a.m. to 4:45 p.m. Clear, some fog early; temp. 28° to 42°; wind NE, 0-5 m.p.h.; ground bare, some ice on ponds and small streams. Eleven observers in 7 parties. Total party-hours, 39 (31 on foot, 8 by car); total party-miles, 155 (26 on foot, 129 by car). Great Blue Heron, 1; Mallard, 8; Black Duck, 5; Am. Golden-eye, 1; Hooded Merganser, 1; Am. Merganser, 1; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 2; Bob-white, 12; Ring-necked Pheasant, 135; Herring Gull, 5; Mourning Dove, 13; Barn Owl, 1; Screech Owl, 2; Horned Owl, 2; Barred Owl, 1; Short-eared Owl, 5; Belted Kingfisher, 4; Pileated Woodpecker, 4; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 8; Downy Woodpecker, 25; Horned Lark, 69; Blue Jay, 5; Common Raven, 3; Am. Crow, 2620; Fish Crow, 3; Black-capped Chickadee, 137; Tufted Titmouse, 81; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 3; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 6; **Mockingbird, 1**; Am. Robin, 85; Golden-crowned Kinglet, 3; **Ruby-crowned Kinglet, 1**; Water Pipit, 14; Gray Shrike, 1; Common Starling, 604; Myrtle Warbler, 2; House Sparrow, 290; Eastern Meadowlark, 8; Purple Grackle, 1; Brown-headed Cowbird, 3; Cardinal, 63; Evening Grosbeak, 42; Purple Finch, 4; Am. Goldfinch, 44; Slate-colored Junco, 97; Am. Tree Sparrow, 66; Chipping Sparrow, 1; White-crowned Sparrow, 8; White-throated Sparrow, 7; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 13. **Total,** 62 species; about 4591 individuals. (Seen count period: Rough-legged Hawk.)—Robert Holman, Robert Keller, Mrs. Robert Keller, Robert Keller, Jr., Ernest Kocher, Wayne Manning, Geraldine McLaren, Herman Reich, Hollis Ross (compiler), Norman Stewart, Roy Tasker (Bucknell Ornithological Club).

140. **Linesville, Pa.** (same area as previous years; lake shore 40%, swamp 10%; open fields 25%, towns 5%, mixed woods 20%).—Dec. 21; 7:30 a.m. to 5 p.m. Clear; temp. 40° to 45°; wind SW, 15-35 m.p.h.; ground unfrozen, lakes and streams open. Eighteen observers in 4 parties. Total party-hours, 33 (23 on foot, 10 by car); total party-miles, 360 (75 on foot, 285 by car). Horned Grebe, 5; Pied-billed Grebe, 5; Canada Goose, 309; Mallard, 192; Black Duck, 2; Wood Duck, 2; Redhead, 13; Canvas-back, 8; Lesser Scaup, 20; Am. Golden-eye, 46; Ruddy Duck, 1; Hooded Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Rough-legged Hawk, 5; Marsh Hawk, 1; **Peregrine Falcon, 1**; Sparrow Hawk, 9; Ruffed Grouse, 3; Ring-necked Pheasant, 6; Herring Gull, 44; Ring-billed Gull, 3; **Mourning Dove, 22**; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 34; Horned Lark, 25; Blue Jay, 33; Am. Crow, 13; Black-capped Chickadee, **236**; Tufted Titmouse, 42; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 10; Golden-crowned Kinglet, 26; Cedar Waxwing, 21; Gray Shrike, 1; Common Starling, 150; House Sparrow, 220; Red-winged Blackbird, 4; **Brown-headed Cowbird, 2**; Cardinal, 60; Evening Grosbeak, 1; Purple Finch, 3; Am. Goldfinch, 45; **Eastern Towhee, 1**; Slate-colored Junco, 56; Am. Tree Sparrow, 190; **Chipping Sparrow, 2**; Field Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 31. **Total,** 55 species; about 1963 individuals.—Howard E. Blakeslee, Duane F. Ferris, Sara E. Flaugh (compiler), Mr. and Mrs. Dow Foulke, Robert Gordon, Roger Harshaw, Robert Leberman, Ronald Leberman, Mr. and Mrs. Paul Savage, Mr. and Mrs. James G. Stull, John V. Thayer, Mr. and Mrs. Howard Walding, Mrs. Margery Woehn, Jack Wykoff.

141. **Lititz, Pa.** (center of Lititz to 7 miles north, including Hammer Creek Valley, White Oak Pond; town suburb 10%, deciduous farm woodlots 30%, pasture 60%).—Dec. 30; 7 a.m. to 5:30 p.m. Clear; temp. 28° to 44°; wind NW, 10-15 m.p.h.; ponds and creeks open. Six observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 33 (15 on foot, 18 by car). Mallard, 252; Black Duck, 6; Am. Widgeon, 2; Pintail, 3; Turkey Vulture, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 5; Ring-necked Pheasant, 47; Killdeer, 2; Mourning Dove, 22; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 21; Horned Lark, 230; Blue Jay, 3; Am. Crow, 725; Black-capped Chickadee, 85; Tufted Titmouse, 29; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 2; Carolina Wren, 5; Mockingbird, 10; Eastern Bluebird, 10; Cedar Waxwing, 4; Common Starling, 2150; Myrtle Warbler, 1; House Sparrow, 688; Eastern Meadowlark, 4; Red-winged Blackbird, 30; Rusty Blackbird, 4; Purple Grackle, 35,000; Brown-headed Cowbird, 210; Cardinal, 25; Evening Grosbeak, 7; Pine Siskin, 6; Am. Goldfinch, 61; Eastern Towhee, 1; Slate-colored Junco, 140; Am. Tree Sparrow, 72; White-crowned Sparrow, 43; White-throated Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 12. **Total,** 54 species;

about 39,998 individuals.—Charles Bowman, Jr., Robert Buch, George Pennepacker, Charles Regennas, Barton Sharp (compiler), Milton Steffy (Lititz Bird Club).

142. Lower Bucks County, Pa. (7½-mile radius from Fairless Junction 1 mile east of Langhorne, same as last year; open farmland 20%, town suburbs 5%, evergreen and deciduous woodlands 35%, brush-grown fields 35%, Penn Manor Lakes and Ironworks Reservoir 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Overcast most of day; temp. 26° to 46°; wind S, 5-10 m.p.h.; no ice or snow on ground, lakes, streams. Twelve observers in 6 parties. Total party-hours, 35; total party-miles, 184 (28 on foot, 156 by car). Horned Grebe, 2; Great Blue Heron, 2; Black-crowned Night Heron, 6; Canada Goose, 8; Mallard, 152; Black Duck, 206; Am. Widgeon, 78; Pintail, 17; Am. Merganser, 11; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 6; Marsh Hawk, 2; Sparrow Hawk, 30; Ring-necked Pheasant, 26; Am. Coot, 195; Killdeer, 9; Herring Gull, 51; Ring-billed Gull, 151; Mourning Dove, 100; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 45; Blue Jay, 88; Am. Crow, 1477; Black-capped Chickadee, 66; Carolina Chickadee, 51; Tufted Titmouse, 55; White-breasted Nuthatch, 24; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 3; Mockingbird, 13; Am. Robin, 8; Golden-crowned Kinglet, 2; Cedar Waxwing, 3; Common Starling, 2582; House Sparrow, 289; Eastern Meadowlark, 10; Purple Grackle, 885; Cardinal, 68; Pine Siskin, 50; Am. Goldfinch, 35; Eastern Towhee, 1; Slate-colored Junco, 395; Am. Tree Sparrow, 188; Field Sparrow, 3; White-throated Sparrow, 346; Swamp Sparrow, 1; Song Sparrow, 61. **Total,** 54 species; about 7834 individuals.—K. Bergstrom, R. Brodey, L. Clayton, O. H. Coles, A. and F. Herzog, G. LeRoy, L. J. McConnell (compiler), M. Michener, W. Reynolds, L. and R. Thomas (Neshaminy Valley Nature Club).

143. New Bloomfield, Pa. (same area and habitat percentages as 8 previous years).—Dec. 29; 5 a.m. to 5 p.m. Clear; temp. 30° to 50°; wind W, 5 m.p.h.; ground not frozen, high water in all streams. Ten observers in 4 parties. Total party-hours, 35 (21 on foot, 14 by car); total party-miles, 279 (35 on foot, 244 by car). Mallard, 4; Black Duck, 4; Am. Merganser, 3; Red-tailed Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 4; Bob-white, 7; Ring-necked Pheasant, 2; Wilson's Snipe, 1; Mourning Dove, 69; Screech Owl, 3; Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Pileated Woodpecker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 25; Blue Jay, 33; Am. Crow, 580; Black-capped Chickadee, 74; Tufted Titmouse, 97; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 14; Mockingbird, 2; Eastern Bluebird, 13; Golden-crowned Kinglet, 2; Common Starling, 388; House Sparrow, 443; Eastern Meadowlark, 8; **Baltimore Oriole,** 1 (visiting feeder since Nov.); Purple Grackle, 7; Cardinal, 132; Evening Grosbeak, 1; Pine Siskin, 2; Am. Goldfinch, 228; Slate-colored Junco, 210; Am. Tree Sparrow, 13; Chipping Sparrow, 3; Field Sparrow, 6; White-throated Sparrow, 7; Song Sparrow, 6. **Total,** 45 species; about 2458 individuals. (Seen count period: Pine Grosbeak.)—Frank Fry, Donald Mitchell, Leroy Myers, Ruth Myers, John Soule, John Stephenson, O. K. Stephenson (compiler), Frank Tressler, Gwen Wueller, Paul Wueller.

144. Pennypack Valley, Philadelphia, Pa. (Pennypack Creek from Delaware River to Paper Mill Station).—Dec. 28; 7 a.m. to 4:15 p.m. Partly cloudy; temp. 27° to 33°; wind NE, 8 m.p.h. Fourteen observers in 3 parties. Total party-hours, 9; total party-miles, 35 (15 on foot, 20 by car). Common Loon, 1; Great Blue Heron, 1; Canada Goose, 80; Mallard, 40; Pintail, 105; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 9; Herring Gull, 98; Ring-billed Gull, 12; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 33; Blue Jay, 13; Am. Crow, 254; Fish Crow, 1; Black-capped Chickadee, 85; Carolina Chickadee, 10; Tufted Titmouse, 36; White-breasted Nuthatch, 12; Winter Wren, 3; Carolina Wren, 9; Mockingbird, 10; Eastern Bluebird, 10; Common Starling, 466; House Sparrow, 96; Eastern Meadowlark, 2; Red-winged Blackbird, 5; Purple Grackle, 177; Cardinal, 29; Evening Grosbeak, 3; Purple Finch, 1; Am. Goldfinch, 58; Slate-colored Junco, 105; Am. Tree Sparrow, 36; Field Sparrow, 5; White-throated Sparrow, 50; Song Sparrow, 8. **Total,** 44 species; about 1879 individuals.—Helen Bates, Helen Brower, Margery Collins, Elizabeth Diehl, Alfred F. Leedom (compiler), Elsie McCay, Dan McDonald, F. McLanigan, John T. McNeil, Eleanor Phillips, Louis Reichel, Richard Sivel, Paul Weirick, Bill Yoder (Pennypack Valley Bird Club).

145. Pittsburgh, Pa. (15-mile diameter circle centered about 2½ miles NE of Riverview Park, and including Emsworth-Ben Avon area, Fox Chapel, Frick Park, Glenshaw, Highland Park, Ingomar, North Park, Riverview Park, Rosslyn Farms, Schenley Park, Schlag's Farm, Trout Run area; deciduous woodland 52%, coniferous woodland 1%, brushland 29%, fields and golf courses 9%, marshland 1%, lakes and reservoirs 2%, urban 6%).—Dec. 28; 7:30 a.m. to 5:45 p.m. Overcast, trace of rain; temp. 30° to 50°; wind WSW, 11 m.p.h.; ground not frozen. Twenty-six observers in 12 parties. Total party-hours, 65 (55 on foot, 10 by car); total party-miles, 154 (47 on foot, 107 by car). Mallard, 232; Am. Golden-eye, 27; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 21; Turkey, 1; Mourning Dove, 3; Barn Owl, 1; Screech Owl, 3; Horned Owl, 1; Long-eared Owl, 8; Belted Kingfisher, 2; **Pileated Woodpecker, 1**; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 52; Horned Lark, 9; Blue Jay, 10; Am. Crow, 34; Black-capped

Chickadee, 171; Tufted Titmouse, 114; White-breasted Nuthatch, 67; Red-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 12; Am. Robin, **88**; Golden-crowned Kinglet, 8; Cedar Waxwing, 1; Common Starling, 152; House Sparrow, 435; Cardinal, 191; Evening Grosbeak, 2; Pine Siskin, 4; Am. Goldfinch, 70; Slate-colored Junco, 132; Am. Tree Sparrow, 40; White-throated Sparrow, 5; Song Sparrow, 40. **Total,** 40 species; about 1965 individuals. (Seen count period: Sparrow Hawk, Winter Wren, Eastern Towhee, Field Sparrow.)—Forrest Alter, Helen Blair, Mrs. Charles Brand, Margaret Chantler, Gerald Felmlee, Robert Fleming, Frank Fox, Jr., Beulah Frey, Mr. and Mrs. George D. Griswold, Joseph Grom, Otto Hammel, David Hart, Edward Lyke, Elizabeth McClelland, Charles McMurtry, David Miller, Elizabeth Miller, Barbara Moran, Daniel Pfoutz, Regina Piroth, Carl Schlag, Robert Schlag, Sara Schlag, George Thorp, Bernard Van Cleve (compiler) (Audubon Society of Western Pennsylvania).

146. **Presque Isle State Park, Pa.** (park of 3200 acres with 8 miles of sandy beach; ponds and swamps 40%, deciduous woods 30%, dunes 25%, fields 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Overcast; temp. 33° to 40°; wind NNW, 17-25 m.p.h.; ground bare, lake, bay and ponds free of ice. Seventeen observers in 3 parties. Total party-hours, 25 (22 on foot, 3 by car); total party-miles, 53 (31 on foot, 22 by car). Horned Grebe, 15; Pied-billed Grebe, 2; Great Blue Heron, 21; Whistling Swan, 78; Mallard, 24; Black Duck, 79; Am. Widgeon, 16; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 28; Lesser Scaup, 3037; Am. Golden-eye, 395; Buffle-head, 102; White-winged Scoter, 5; Hooded Merganser, 4; Am. Merganser, 20; Red-breasted Merganser, 14; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Ring-necked Pheasant, 1; Turkey, 5; Am. Coot, 22; Great Black-backed Gull, 55; Herring Gull, 3210; Ring-billed Gull, 3089; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 30; Blue Jay, 5; Am. Crow, 20; Black-capped Chickadee, 129; Tufted Titmouse, 29; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 13; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 4; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 1; Common Starling, 81; Myrtle Warbler, 19; House Sparrow, 62; Cardinal, 49; Am. Goldfinch, 5; Eastern Towhee, 1; Slate-colored Junco, 4; Am. Tree Sparrow, 101; Song Sparrow, 5; Snow Bunting, 1. **Total,** 53 species; about 10,866 individuals. (Seen in area count period: Blue-winged Teal.)—Jon Ahlquist, Ruth Bemis, Sara Flaugh, Dow Foulke, Mary Foulke, Marguerite Geibel, Roger Harshaw, Martha Himrod, Robert C. Leberman, John E. Perry, Lois Savage, Paul Savage, James Stull (compiler), Jean Stull, Chuck Trost, Jack Wykoff, Margery Woehr.

147. **Reading, Pa.** (circle with center 2 miles northeast of city; deciduous woodland 40%, open farmland 30%, lakes and ponds 10%, streams and riverbottoms 10%, young pine plantation 10%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear; temp. 38° to 50°; wind NW, 10 m.p.h.; ground bare, lakes and ponds open. Twenty observers in 5 parties. Total party-hours, 140 (48 on foot, 92 by car); total party-miles, 310 (60 on foot, 250 by car). Great Blue Heron, 7; Canada Goose, 61; Am. Brant, 1 [no details—Ed.]; Blue Goose, 3 [no details—Ed.]; Mallard, 3264; Black Duck, 2257; Gadwall, 1; Am. Widgeon, 760; Pintail, 100; Green-winged Teal, 6; Redhead, 3; Am. Golden-eye, 1; Buffle-head, 1; Hooded Merganser, 1; Am. Merganser, 250; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 5; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 1; Bob-white, 7; Ring-necked Pheasant, 31; Herring Gull, 81; Mourning Dove, 63; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 22; Pileated Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 67; Horned Lark, 62; Blue Jay, 56; Am. Crow, 3353; Black-capped Chickadee, 232; Tufted Titmouse, 80; White-breasted Nuthatch, 65; Red-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 4; Mockingbird, 6; Am. Robin, 13; Eastern Bluebird, 15; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 5; Cedar Waxwing, 25; Common Starling, 2325; Myrtle Warbler, 18; House Sparrow, 959; Eastern Meadowlark, 66; Red-winged Blackbird, 10; Purple Grackle, 31; Brown-headed Cowbird, 240; Cardinal, 98; Evening Grosbeak, 3; Purple Finch, 6; Pine Grosbeak, 1; Pine Siskin, 4; Am. Goldfinch, 119; Slate-colored Junco, 500; Am. Tree Sparrow, 32; Chipping Sparrow, 9; Field Sparrow, 3; White-crowned Sparrow, 3; White-throated Sparrow, 89; Swamp Sparrow, 2; Song Sparrow, 13. **Total,** 71 species; about 15,509 individuals.—Roy Boyer, Robert Cook, James Epler, Catherine Feick (compiler), Donald Feick, Samuel Gundy, Warren Kalbach, Paul Martin, Byron Nunemacher, Rose Oaks, Earl L. Poole, Samuel Reifsnyder, Mrs. Samuel Reifsnyder, Charles Schaich, Arthur Sigmond, Matthew Spence, Bess Smith, Norman Styer, Ira Weigley, Betty Witman.

148. **Southeastern Bradford Co., Pa.** (same area and habitats as last year).—Dec. 26; 6 a.m. to 5:30 p.m. Rain all day; temp. 38° to 43°; wind shifting W, 2-10 m.p.h.; ground bare, all ponds, streams, and Susquehanna River open. Three observers in 1 party. Total party-hours, 11½ (6½ on foot, 5 by car); total party-miles, 110 (7 on foot, 103 by car). Mallard, 1; Black Duck, 20; Am. Merganser, 69; Sparrow Hawk, 1; Mourning Dove, **50**; Horned Owl, 3; Belted Kingfisher, 2; Hairy Woodpecker, 5; Downy Woodpecker, 11; Blue Jay, 8; Am. Crow, 75; Black-capped Chickadee, **84**; Tufted Titmouse, **34**; White-breasted Nuthatch, 17; Brown Creeper, 6; Carolina Wren, 2; Golden-crowned Kinglet, 5; Common Starling, 15; House Sparrow, 20; Cardinal, **56**; Evening Grosbeak, 4; Purple Finch, 8; Common Redpoll, 1; Pine Siskin, 1; Am. Goldfinch, **85**; Slate-colored Junco, 23; Am. Tree Sparrow, 140; Field Sparrow, 2; White-throated Sparrow, 5; Song Sparrow, 8. **Total,** 30 species; about 761 individuals.—Thomas Morgan, Ian Nisbet, William Reid (compiler).

149. State College, Pa. (town and campus, college farms and woodlots, to Pennsylvania Furnace, Spring Creek, Shingletown Gap; town and campus 18%, fields and farmlands 47%, mixed woodlands 21%, streams and swamps 14%).—Dec. 30; 8 a.m. to 6 p.m. Cloudy a.m., clear p.m.; temp. 28° to 48°; wind SW, 1-7 m.p.h.; ground bare, most ponds and streams open. Fifteen observers in 6 parties. Total party-hours, 34 (25 on foot, 9 by car); total party-miles, 210 (26 on foot, 184 by car). Mallard, 130; Black Duck, 4; Wood Duck, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 7; Ring-necked Pheasant, 1; Wilson's Snipe, 1; Mourning Dove, 7; Long-eared Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 3; Red-headed Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 22; Blue Jay, 15; Am. Crow, 84; Black-capped Chickadee, 78; Tufted Titmouse, 36; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 2; Am. Robin, 3; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Common Starling, 415; House Sparrow, 375; Eastern Meadowlark, 12; Rusty Blackbird, 16; Purple Grackle, 13; Cardinal, 23; Evening Grosbeak, 33; Purple Finch, 6; Am. Goldfinch, 36; Slate-colored Junco, 86; Am. Tree Sparrow, 58; Song Sparrow, 4. **Total,** 42 species; about 1526 individuals.—Dorothy Bordner, Mr. and Mrs. E. R. Bordner, William S. Clarke, Jr. (compiler), Mrs. A. W. Cowell, Mrs. Katherine Jones, Mr. and Mrs. P. B. Lovett, Mrs. E. T. McDonald, Mrs. Vernon Myers, Marjorie Powers, Mrs. C. J. Rowland, Selden Spencer, Mrs. Vladimir Vand, Merrill Wood.

150. Warren, Pa. (area same as in past 6 years).—Dec. 21; 7:30 a.m. to 4:30 p.m. Partly overcast a.m.; clear p.m.; temp. 36° to 40°; wind W, 12-15 m.p.h.; no snow on ground, streams open. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). Ring-billed Gull, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 4; Am. Crow, 1; Black-capped Chickadee, 34; Tufted Titmouse, 8; White-breasted Nuthatch, 6; Brown Creeper, 2; Golden-crowned Kinglet, 13; Common Starling, 28; House Sparrow, 42; Cardinal, 24; Evening Grosbeak, 55; Purple Finch, 2; Pine Grosbeak, 4; Am. Goldfinch, 25; Slate-colored Junco, 46; Am. Tree Sparrow, 30; Song Sparrow, 1. **Total,** 21 species; 332 individuals.—William Highhouse, Harris E. Johnson (compiler).

151. Waynesboro, Pa. (circle centered about 1¼ miles northeast of Mont Alto; upland forest 40%, lakes and ponds 20%, stream edges and marshes 10%, fields 15%, brush and fencerows 15%).—Dec. 27; 7:30 a.m. to 5 p.m. Clear most of day; temp. 35° to 45°; wind NW, 0-25 m.p.h.; ground bare, waters open. Four observers in 2 parties, one at feeder. Total party-hours, 13 (8 on foot, 5 by car); total party-miles, 78 (8 on foot, 70 by car). Mallard, 2; Turkey Vulture, 15; **Black Vulture, 1** (carefully identified); Cooper's Hawk, 1; Red-tailed Hawk, 1; Ruffed Grouse, 2; Bob-white, 1; Ring-necked Pheasant, 1; Killdeer, 11; Mourning Dove, 1; Belted Kingfisher, 2; Hairy Woodpecker, 2; Downy Woodpecker, 10; Am. Crow, 1258; **Fish Crow, 3** (identified by voice); Black-capped Chickadee, 25; Tufted Titmouse, 15; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 4; Carolina Wren, 3; Mockingbird, 4; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 820; House Sparrow, 340; Eastern Meadowlark, 61; Red-winged Blackbird, 1; Cardinal, 38; Am. Goldfinch, 16; Slate-colored Junco, 87; Am. Tree Sparrow, 33; **Chipping Sparrow, 1**; White-crowned Sparrow, 3; White-throated Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 21. **Total,** 38 species; about 2804 individuals.—Dorothy D. Beatty, Herman D. Beatty, Joseph A. Beatty (compiler), Mrs. S. C. Houston.

152. Wellsboro, Pa. (7½-mile radius centering in Wellsboro, covering Ansonia, Catlin Hollow, Hill's Creek, Thumptown, Marsh Creek, Stonyfork, suburban Wellsboro; mixed woodland 25%, cultivated land 40%, waste and idle land 15%, stream bank 10%, misc. 10%).—Jan. 1; 7:30 a.m. to 5 p.m. Partly cloudy; temp. 23° to 31°; strong gusty winds; 2-in. snow, Hill's Creek Lake frozen over, streams open. Thirteen observers, 9 in 3 parties, 4 at feeding stations. Total party-hours, 17 (3 on foot, 14 by car); total party-miles, 65 (5 on foot, 60 by car). Rough-legged Hawk, 1; Belted Kingfisher, 2; Hairy Woodpecker, 6; Downy Woodpecker, 7; Blue Jay, 8; Am. Crow, 31; Black-capped Chickadee, 79; Tufted Titmouse, 2; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 1; Common Starling, 276; House Sparrow, 297; Cardinal, 5; Evening Grosbeak, 288; Pine Grosbeak, 16; Am. Goldfinch, 24; Slate-colored Junco, 60; Am. Tree Sparrow, 154. **Total,** 20 species; about 1280 individuals.—Dr. and Mrs. T. R. Bailey, Betty Blair, Mrs. Harry Farber, Mrs. Elbert F. Mosher, Mrs. G. Mason Owlett, Mrs. Hazel Ridge, Robert Scudder, William Scudder (compiler), Mr. and Mrs. Charles G. Webb, Florence Wheeler, Leslie Wood.

153. West Chester, Pa. (7½-mile radius; open farmland 54%, overgrown fields 20%, deciduous woods 19%, evergreen plantings 2%, serpentine barrens 1%, towns and suburbs 4%).—Dec. 28; 6:45 a.m. to 5:15 p.m. Partly cloudy to heavily overcast; temp. 30° to 48°; wind S to E, 0-10 m.p.h.; ground bare. Fifty-five observers in 15 parties. Total party-hours, 118 (64 on foot, 54 by car); total party-miles, 576 (88 on foot, 488 by car). Pied-billed Grebe, 2; Great Blue Heron, 7; Canada Goose, 90; Mallard, 538; Black Duck, 211; Am. Widgeon, 3; Am. Merganser, 3; Turkey Vulture, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 31; Red-shouldered Hawk, 11; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 57; Ring-necked Pheasant, 57; Killdeer, 40; Wilson's Snipe, 2; Herring Gull, 4; **Ring-billed Gull, 3**; Mourning Dove, 340; Barn Owl, 1; Screech Owl, 2; Horned Owl, 2; Long-eared Owl, 9; Belted Kingfisher, 26; Yellow-shafted Flicker,

57; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 23; Downy Woodpecker, 182; Eastern Phoebe, 4; Blue Jay, 242; Am. Crow, 3285; Black-capped Chickadee, 213; Carolina Chickadee, 360; Tufted Titmouse, 265; White-breasted Nuthatch, 138; Red-breasted Nuthatch, 6; Brown Creeper, 10; Winter Wren, 2; Carolina Wren, **48**; Mockingbird, **93**; **Catbird, 1**; Am. Robin, 51; Eastern Bluebird, 107; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, **32**; Cedar Waxwing, 54; Common Starling, 5974; Myrtle Warbler, 8; **Yellow-breasted Chat,** 1; House Sparrow, 1613; Eastern Meadowlark, 185; Red-winged Blackbird, 2324; Purple Grackle, 1394; Cardinal, 274; Evening Grosbeak, 11; Purple Finch, 1; Am. Goldfinch, 835; Slate-colored Junco, 1188; Am. Tree Sparrow, 686; Field Sparrow, 32; White-throated Sparrow, 364; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 217. **Total,** 67 species; about 21,766 individuals. (Ring-necked Duck, **House Finch** seen count period.)—Charles Abbott, Mrs. Laura W. Abbott, Mr. and Mrs. Burdette Bernard, Thomas D. Brown, Mrs. Cyril K. Bryan, Rodney Clingaman, Robert E. Cook, John duPont, Mr. and Mrs. Paul Earley, Mrs. Abner W. Few, Violet L. Findlay, Mrs. Helen I. Fletcher, Mr. and Mrs. John S. Frankenfield, Lillian Gest, Margaret S. Goodwin, Dr. and Mrs. Robert B. Gordon, Margaretta Greenewalt, Mrs. Alfred Hallowell, Mr. and Mrs. Taylor Herron, Edna Hess, Mrs. John Highberger, Beryl E. Hurlock, Phyllis L. Hurlock (compiler), Anna P. James, Mrs. James E. Knox, Mr. and Mrs. Herman E. Kuch, Jr., Paul T. MacIntire, Elizabeth Madeira, Mrs. Lewis Marshall, Viola Messmer, William Oliver, Mrs. William I. Pendergrast, Pauline Ramstine, Mr. and Mrs. Richard Ridgway, Mrs. LeRoy Smith, Edward P. Street, Jr., Mary L. Thomas, Richard Thorington, Mrs. Helena Tittman, Barbara Ward, Mr. and Mrs. Rodman Ward, Elizabeth Wood.

154. Wyncote, Pa. (nearly the same area as before, all within Montgomery County).—Dec. 22; 7 a.m. to 5 p.m. Clear; temp. 36° to 49°; wind SW, 8 m.p.h.; ground bare. Ten observers in 4 parties. Total party-hours, 26 (21 on foot, 5 by car); total party-miles, 56 (20 on foot, 36 by car). Canada Goose, 2; Black Duck, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 10; Bob-white, 1; Ring-necked Pheasant, 22; Killdeer, 5; Herring Gull, 117; Mourning Dove, 49; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; **Red-bellied Woodpecker, 1** (G.F.P.); Hairy Woodpecker, 8; Downy Woodpecker, 36; Blue Jay, 13; Am. Crow, 200; Black-capped Chickadee, 101; Tufted Titmouse, 35; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 2; Mockingbird, 4; Am. Robin, 28; Hermit Thrush, 4; Eastern Bluebird, 7; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Common Starling, 195; Myrtle Warbler, 4; House Sparrow, 286; Red-winged Blackbird, 24; Purple Grackle, 1; Cardinal, 28; Purple Finch, 1; Common Redpoll, 2; Am. Goldfinch, 48; Eastern Towhee, 5; Slate-colored Junco, 146; Am. Tree Sparrow, 19; Field Sparrow, 1; White-throated Sparrow, 96; Fox Sparrow, 2; Song Sparrow, 16. **Total,** 49 species; about 1605 individuals.—Mrs. W. Custer, J. Dornan, Alice Fasy, Mrs. F. C. Griscom, J. A. Lindemann, F. Mears, G. F. Parrott, Edward H. Parry (compiler), Frank Ramsey, Ruth Weber (Wyncote Bird Club).

155. York, Pa. (15-mile diameter circle centered 1 mile south of Stony Brook).—Dec. 28; 7 a.m. to 5 p.m. Cloudy; temp. 34° to 48°; wind W, 5 m.p.h. Thirteen observers in 5 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 170 (30 on foot, 140 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Mallard, 120; Black Duck, 538; Am. Widgeon, 5; Pintail, 40; Blue-winged Teal, 2; Lesser Scaup, 1; Am. Golden-eye, 68; Buffle-head, 1; Am. Merganser, 13; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 12; Ring-necked Pheasant, 29; Killdeer, 1; Herring Gull, 34; Ring-billed Gull, 115; Mourning Dove, 14; Barred Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 46; **Say's Phoebe, 1** (carefully identified by numerous observers, present since Dec. 21); Blue Jay, 10; Am. Crow, 3185; Fish Crow, 16; Black-capped Chickadee, 95; Carolina Chickadee, 15; Tufted Titmouse, 88; White-breasted Nuthatch, 18; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 36; Mockingbird, 15; Am. Robin, 8; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 6; Cedar Waxwing, 8; Common Starling, 3916; Myrtle Warbler, 22; House Sparrow, 480; Eastern Meadowlark, 4; Rusty Blackbird, 1; Purple Grackle, 11; Cardinal, 94; Pine Siskin, 59; Am. Goldfinch, 160; Slate-colored Junco, 95; Am. Tree Sparrow, 9; Field Sparrow, 9; White-crowned Sparrow, 3; White-throated Sparrow, 150; Song Sparrow, 44. **Total,** 58 species; about 9657 individuals.—Raymond Bubb, Luther Dehoff, Viola Dietz, Dorothy Dressler, Jacques Falkenstine, Theodore Hake, Clarence Kissinger, Mrs. Clarence Kissinger, J. Reath, Dorothy Schwartzer, James H. Stein, Jr. (compiler), Elaine Tompkins, Mrs. Louis Williams, Sylvia Yeager (York County Bird Club).

156. Bombay Hook National Wildlife Refuge, Del. (7½-mile radius covering Delaware River north to Woodland Beach, south to North Kitts Hummock, west to Dover and Lebanon).—Dec. 28; 4 a.m. to 5 p.m.; temp. 38° to 45°; wind N, 10 m.p.h.; all water open, fields flooded. Nineteen observers in 7 parties. Total party-hours, 61 (28 on foot, 32 by car, 1 by airplane); total party-miles, 385 (55 on foot, 280 by car, 50 by airplane). Common Loon, 1; Red-throated Loon, 3; Horned Grebe, 1; Pied-billed Grebe, 9; Great Blue Heron, 44; Am. Egret, 1; Black-crowned Night Heron, 1; Am. Bittern, 1; Whistling Swan, 1; Canada Goose, 8200; Snow Goose, 300; Blue Goose, 15; Mallard, 15,000; Black Duck, 11,000; Gadwall, 9; Am. Widgeon, 850; Pintail, 12,500; Green-winged Teal, 275; Shoveller, 21; Wood Duck, 1; Redhead, 3; Ring-necked Duck, 8; Canvas-back, 250; Greater Scaup, 600;

Lesser Scaup, 50; Am. Golden-eye, 33; Buffle-head, 5; Old-squaw, 7; White-winged Scoter, 10; Surf Scoter, 10; Am. Scoter, 50; Ruddy Duck, 45; Hooded Merganser, 11; Am. Merganser, 75; Red-breasted Merganser, 13; Turkey Vulture, 227; Black Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 25; Red-shouldered Hawk, 4; Rough-legged Hawk, 7; Bald Eagle, 11; Marsh Hawk, 80; Peregrine Falcon, 1; Sparrow Hawk, 55; Bob-white, 84; Ring-necked Pheasant, 1; Clapper Rail, 4; Am. Coot, 16; Killdeer, 160; Black-bellied Plover, 2; Lesser Yellow-legs, 6; Red-backed Sandpiper, 65; **dowitcher (sp.), 1 (H.M.)**; Semipalmated Sandpiper, 1; Sanderling, 20; Great Black-backed Gull, 50; Herring Gull, 1200; Ring-billed Gull, 4000; Mourning Dove, 380; Barn Owl, 6; Screech Owl, 1; Horned Owl, 8; Barred Owl, 1; Short-eared Owl, 6; Saw-whet Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 117; Red-bellied Woodpecker, 45; **Red-headed Woodpecker, 1**; Hairy Woodpecker, 25; Downy Woodpecker, 75; Horned Lark, 269; Blue Jay, 56; Am. Crow, 3200; Fish Crow, 31; Black-capped Chickadee, 1; Carolina Chickadee, 205; Tufted Titmouse, 113; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 10; Brown Creeper, 15; **House Wren, 3**; Winter Wren, 10; Carolina Wren, 110; Long-billed Marsh Wren, 1; Mockingbird, 99; Catbird, 1; Brown Thrasher, 1; Am. Robin, 80; Hermit Thrush, 2; Eastern Bluebird, 51; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 2; Water Pipit, 10; Cedar Waxwing, 12; Loggerhead Shrike, 3; Common Starling, 14,500; Myrtle Warbler, 1229; **Palm Warbler, 1**; Common Yellowthroat, 1; House Sparrow, 1445; Eastern Meadowlark, 650; Red-winged Blackbird, 90,000; Rusty Blackbird, 14; **Brewer's Blackbird, 8** (5 consecutive counts); Purple Grackle, 30,000; Brown-headed Cowbird, 10,000; Cardinal, 259; Evening Grosbeak, 10; Purple Finch, 1; Pine Siskin, 3; Am. Goldfinch, 425; Eastern Towhee, 37; Savannah Sparrow, 67; Sharp-tailed Sparrow, 3; Seaside Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 276; Am. Tree Sparrow, 220; Field Sparrow, 57; White-crowned Sparrow, 2; White-throated Sparrow, 965; Fox Sparrow, 1; Swamp Sparrow, 206; Song Sparrow, 780. **Total,** 127 species; about 211,591 individuals.—David Cadbury, Joel Cadbury, Joseph Cadbury, D. A. Cutler (compiler), H. S. Cutler, B. Cutler, E. Choate, J. Berger, S. Lazell, Peter McCord, H. Mathews, F. Meers, J. Miller, C. Price, Ed Reimann, J. Rigby, J. Sawyer, M. Weiss, C. Wonderly.

157. Middletown, Del. (same area as 1956).—Dec. 28; 6:45 a.m. to 5:45 p.m. Morning partly cloudy, afternoon overcast; temp. 30° to 52°; wind SSE, 1-6 m.p.h.; ground bare, open water. Seven observers in 3 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 160 (18 on foot, 142 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 9; **Green Heron, 1**; Canada Goose, 275; Mallard, 120; Black Duck, 257; Am. Widgeon, 20; Pintail, 300; Redhead, 1; Ring-necked Duck, 11; Lesser Scaup, 5; Old-squaw, 1; Am. Merganser, 8; Turkey Vulture, 25; Red-tailed Hawk, 15; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 26; Sparrow Hawk, 22; Bob-white, 18; Ring-necked Pheasant, 1; Clapper Rail, 3; Am. Coot, 1; Killdeer, 17; Great Black-backed Gull, 31; Herring Gull, 76; Ring-billed Gull, 483; Mourning Dove, 3; Barn Owl, 1; Horned Owl, 2; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 8; Horned Lark, 38; Blue Jay, 13; Am. Crow, 44; Black-capped Chickadee, 8; Carolina Chickadee, 24; Tufted Titmouse, 9; White-breasted Nuthatch, 13; Winter Wren, 1; Carolina Wren, 16; Mockingbird, 24; Am. Robin, 1; Golden-crowned Kinglet, 1; Common Starling, 700; Myrtle Warbler, 13; **Common Yellowthroat, 1**; House Sparrow, 245; Eastern Meadowlark, 8; Red-winged Blackbird, **120,000**; Purple Grackle, **600,000**; Brown-headed Cowbird, **20,000**; Cardinal, 40; Pine Siskin, 1; Am. Goldfinch, 88; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 25; Am. Tree Sparrow, 25; Field Sparrow, 4; White-throated Sparrow, 103; Swamp Sparrow, 10; Song Sparrow, 42. **Total,** 70 species; about 743,271 individuals. [Both reports compiled by Walden Pell exceptionally neat and carefully prepared—Ed.]—Elizabeth Brady, Ethel Brady, Kathleen Herbert, Richard Herbert, Walden Pell 2nd (compiler), Margaret Smithers, Norman Thornton.

158. Rehoboth, Del. (same area as last year; tidal bays and estuaries 15%, deciduous woods 10%, fields 5%, coniferous woods 15%, inlet and ocean shore 10%, lakes and ponds 10%, fresh-water marsh 5%, salt-water marsh 10%, ocean 10%, hedgerows 10%).—Jan. 1; 5:30 a.m. to 4:30 p.m. Cloudy, rain almost half the time; temp. 50° to 38°; wind W, 5-25 m.p.h.; ground bare, streams and ponds free of ice. Six observers in 4 parties. Total party-hours, 58 (36 on foot, 22 by car); total party-miles, 225 (15 on foot, 210 by car). Common Loon, 12; Red-throated Loon, 228; Horned Grebe, 360; Pied-billed Grebe, 4; Gannet, 10; Great Blue Heron, 10; **Am. Bittern, 1**; **Whistling Swan, 1**; Canada Goose, 5300; Am. Brant, 10,000; **Snow Goose, 81**; Mallard, 38; Black Duck, 12; Am. Widgeon, 600; Green-winged Teal, 84; Shoveller, 35; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 6000; Greater Scaup, 38; Am. Golden-eye, 130; Buffle-head, 375; Old-squaw, 37; White-winged Scoter, 195; Surf Scoter, 280; Am. Scoter, 15; Ruddy Duck, 667; Hooded Merganser, 4; Red-breasted Merganser, 280; Turkey Vulture, 287; Black Vulture, 19; Sharp-shinned Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 4; Bald Eagle, 2; Marsh Hawk, 11; Sparrow Hawk, 43; Bob-white, 6; **King Rail, 1**; Clapper Rail, 5; Am. Coot, 150; **Piping Plover, 2** (D.C.); Killdeer, 87; Black-bellied Plover, 6; Greater Yellow-legs, 1; Purple Sandpiper, 12; Red-backed Sandpiper, 125; Semipalmated Sandpiper, 4; Sanderling, 250; Great Black-backed Gull, 25; Herring Gull, 625; Ring-billed Gull, 2800; Bonaparte's Gull, 6; **Forster's Tern, 4** (6 observers); **Black Skimmer, 2** (D.C.); **Dovekie, 1** (D.C., J.M., F.M.); Mourning Dove,

128; Horned Owl, 10; Barred Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 19; **Yellow-bellied Sapsucker, 2**; Hairy Woodpecker, 9; Downy Woodpecker, 42; Eastern Phoebe, 1; Horned Lark, 18; **Tree Swallow, 200**; Blue Jay, 25; Am. Crow, 250; Fish Crow, 7; Carolina Chickadee, 200; Tufted Titmouse, 100; **White-breasted Nuthatch, 11**; **Red-breasted Nuthatch, 14**; **Brown-headed Nuthatch, 5**; Brown Creeper, 26; **House Wren, 1** (J.M.); Winter Wren, 8; Carolina Wren, 53; Mockingbird, 90; Brown Thrasher, 2; Am. Robin, 430; Hermit Thrush, 4; Eastern Bluebird, 150; Golden-crowned Kinglet, 56; Ruby-crowned Kinglet, 2; Cedar Waxwing, 375; Loggerhead Shrike, 1; Common Starling, 3000; Myrtle Warbler, 1550; **Pine Warbler, 1** (adult—H.C., H.M.); Yellow-breasted Chat, 1; House Sparrow, 750; Eastern Meadowlark, 755; Red-winged Blackbird, 10,000; Rusty Blackbird, 60; **Boat-tailed Grackle, 2** (D.C., H.C.); Purple Grackle, 20,000; Brown-headed Cowbird, 2000; Cardinal, 212; **Pine Siskin, 5**; Am. Goldfinch, 355; Eastern Towhee, 22; **Ipswich Sparrow, 2**; Savannah Sparrow, 6; **Sharp-tailed Sparrow, 8**; Seaside Sparrow, 4; Slate-colored Junco, 130; Am. Tree Sparrow, 7; **Chipping Sparrow, 1**; Field Sparrow, 42; White-throated Sparrow, 360; Fox Sparrow, 2; Swamp Sparrow, 85; Song Sparrow, 400; **Snow Bunting, 35. Total,** 117 species; about 71,360 individuals.—Betty Cutler, David Cutler, Herbert Cutler, Henry Matthews (compiler), Fred Mears, John Miller.

159. **Accokeek, Md.** (east side of Potomac River from Bryan's Point east along south side of Piscataway Creek to Indian Head Highway; about 3 sq. miles of river and bay front, cultivated river flat, cattail marsh, wooded swamp, wooded creekbottom, border of adjacent wooded upland).—Dec. 24; 7:30 a.m. to 4:15 p.m. Cloudy, light rain after 2 p.m.; temp. 54° to 49°; wind S, up to 18 m.p.h.; ground bare, water and marshes ice-free. Four observers in 4 parties. Total party-hours, 28; total party-miles, 22 (all on foot). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 27; Black Duck, 50; scaup (sp.), 500; Am. Golden-eye, 1; Buffle-head, 23; Ruddy Duck, 100; Am. Merganser, 20; ducks (sp.), 3000; Turkey Vulture, 11; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 5; Sparrow Hawk, 1; Bob-white, 19; Killdeer, 15; Herring Gull, 100; Ring-billed Gull, 250; Mourning Dove, 150; Belted Kingfisher, 2; Yellow-shafted Flicker, 35; Pileated Woodpecker, 3; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 25; Eastern Phoebe, 1; Horned Lark, 5; Blue Jay, 100; Am. Crow, 50; Fish Crow, 1; Carolina Chickadee, 50; Tufted Titmouse, 50; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 7; Brown Creeper, 8; Winter Wren, 2; Carolina Wren, 65; Mockingbird, 25; Brown Thrasher, 1; Hermit Thrush, 4; Eastern Bluebird, 18; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 3; Cedar Waxwing, 14; Common Starling, 500; Myrtle Warbler, 35; House Sparrow, 25; Eastern Meadowlark, 45; Red-winged Blackbird, 100; Rusty Blackbird, 2; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 90; Evening Grosbeak, 40; Purple Finch, 15; Am. Goldfinch, 200; Eastern Towhee, 4; Savannah Sparrow, 7; Slate-colored Junco, 170; Am. Tree Sparrow, 3; Field Sparrow, 22; White-throated Sparrow, 130; Swamp Sparrow, 9; Song Sparrow, 60. **Total,** 67 species; about 6285 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

160. **Annapolis and Gibson Island, Md.** (same area as last year, 7½-mile radius centered at west end of Severn River bridge; same habitats as last year).—Dec. 29; 5 a.m. to 8:45 p.m.; temp. 27° to 35°; wind NW, 5-15 m.p.h.; ground bare, water open. Fifty observers in 27 parties. Total party-hours, 176 (93 on foot, 83 by car); total party-miles, 798 (97 on foot, 701 by car). Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 315; Pied-billed Grebe, 23; Double-crested Cormorant, 2; Great Blue Heron, 44; Whistling Swan, 1638; Canada Goose, 261; Mallard, 56; Black Duck, 103; Gadwall, 11; **European Widgeon, 1** (G.T.); Am. Widgeon, 485; Redhead, 334; Ring-necked Duck, 12; Canvas-back, 5689; Greater and Lesser Scaup, 1837; Am. Golden-eye, 642; Buffle-head, 475; Old-squaw, 374; White-winged Scoter, 2; Am. Scoter, 2; Ruddy Duck, 5252; Hooded Merganser, 25; Am. Merganser, 3; Red-breasted Merganser, 4; Turkey Vulture, 209; Black Vulture, 5; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 6; Bald Eagle, 9; Marsh Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 19; **Osprey, 1** (E.P.W.); Bob-white, 213; Virginia Rail, 2; Am. Coot, 4148; Killdeer, 95; Wilson's Snipe, 3; Great Black-backed Gull, 16; Herring Gull, 633; Ring-billed Gull, 227; Mourning Dove, 87; Screech Owl, 1; Horned Owl, 2; Short-eared Owl, 2; Belted Kingfisher, **110**; Yellow-shafted Flicker, **128**; Red-bellied Woodpecker, 80; Yellow-bellied Sapsucker, **19**; Hairy Woodpecker, 20; Downy Woodpecker, 123; Eastern Phoebe, 3; Horned Lark, 14; Blue Jay, 221; Am. Crow, 522; Fish Crow, 11; Black-capped Chickadee, 1; Carolina Chickadee, 359; Tufted Titmouse, 288; White-breasted Nuthatch, 117; Red-breasted Nuthatch, 19; Brown Creeper, 25; House Wren, 3; Winter Wren, 3; Carolina Wren, 196; Long-billed Marsh Wren, 1; Mockingbird, 247; Am. Robin, 65; Hermit Thrush, 11; Eastern Bluebird, **293**; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 7; Water Pipit, 1; Cedar Waxwing, 38; Loggerhead Shrike, 2; Common Starling, 2590; Myrtle Warbler, 36; Pine Warbler, 1; Yellow-breasted Chat, 1 (H.W.); House Sparrow, 1098; Eastern Meadowlark, 137; Red-winged Blackbird, 641; Rusty Blackbird, 1; Purple Grackle, 13; Cardinal, 579; Evening Grosbeak, 1; Purple Finch, 4; Pine Siskin, 31; Am. Goldfinch, 674; Eastern Towhee, 7; Savannah Sparrow, 2; Slate-colored Junco, 1232; Am. Tree Sparrow, 83; Chipping Sparrow, 1; Field Sparrow, 288; White-throated Sparrow, 1120; Fox Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 280; **Lapland Longspur, 1** (C.S.R.); Snow Bunting, 1. **Total,** 106 species; about 35,084 indi-

viduals.—Ed Barry, Joseph Beatty, Christine Bennett, Mr. and Mrs. R. Bowen, C. Buchanan, Mrs. John Buser, W. A. Conrad, R. Donald, R. Dwight, John Fales, Mrs. Hazel Fuhrman, Mrs. Hal Garner, Mrs. Shirley Geddes, Donald Hall, H. N. Hall, Hal Hamberg, Irving Hampe, Judge and Mrs. W. Henderson, Mr. and Mrs. D. G. Howard, Mrs. Chase Kirtley, C. Lawrence, Mr. and Mrs. Carl Long, Reida Longanecker, Mrs. Willis Luff, Mr. and Mrs. Douglas Miner, Daniel Morrill, Mr. and Mrs. Henry Page, Chandler S. Robbins, Mr. and Mrs. Cecil Ryan, Henry Sturdy, Mr. and Mrs. D. Swing, Mrs. Gail Tappan, Mr. and Mrs. Albert Varrieur, Harold Wierenga, Hal Wierenga, John Wierenga, Edward Wilson, Elizabeth Wood, J. E. M. Wood (compiler), Mrs. Elmer Worthley, Thomas Yuell.

161. Catoctin Mountain, Md. (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949).—Dec. 22; 5:30 a.m. to 5:30 p.m. Clear; temp. 40° to 52°; no wind; ground bare, streams and ponds open. Nine observers in 3 parties. Total party-hours, 31 (17 on foot, 14 by car); total party-miles, 233 (14 on foot, 219 by car). Great Blue Heron, 1; Mallard, 36; Black Duck, 18; Hooded Merganser, 1; Am. Merganser, 18; Turkey Vulture, 94; Black Vulture, 5; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 11; Bob-white, 2; Killdeer, 26; Mourning Dove, 124; Barn Owl, 2; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 42; Horned Lark, 131; Blue Jay, 38; Am. Crow, 1650; Fish Crow, 31; Black-capped Chickadee, 25; Carolina Chickadee, 77; Tufted Titmouse, 61; White-breasted Nuthatch, 47; Brown Creeper, 9; Winter Wren, 5; Carolina Wren, 63; Mockingbird, 56; Eastern Bluebird, 25; Golden-crowned Kinglet, 4; Water Pipit, 1; Common Starling, 2251; Myrtle Warbler, 1; House Sparrow, 621; Eastern Meadowlark, 90; Red-winged Blackbird, 2; Purple Grackle, 12; Brown-headed Cowbird, 30; Cardinal, 160; Pine Siskin, 1; Am. Goldfinch, 59; Slate-colored Junco, 256; Am. Tree Sparrow, 219; Field Sparrow, 47; White-crowned Sparrow, 14; White-throated Sparrow, 58; Song Sparrow, 60. **Total,** 55 species; about 6543 individuals. (Purple Finch seen in area during period.)—Sterling W. Edwards, Seth H. Low, Seth T. Low, Mrs. Lloyd Mallonee, John W. Richards (compiler), Chandler S. Robbins, William N. Shirey, Mrs. Ralph S. Stauffer, Herbert G. Tanner.

162. Denton, Md. (same area and habitat percentages as last 7 years).—Dec. 21; 5 a.m. to 5 p.m. Clear; temp. 48° to 56°; wind NW, 10-25 m.p.h.; ground wet. Twelve observers in 9 parties. Total party-hours, 52 (41 on foot, 11 by car); total party-miles, 230 (22 on foot, 208 by car). Pied-billed Grebe, 2; Great Blue Heron, 8; Canada Goose, 23; Mallard, 46; Black Duck, 180; Am. Widgeon, 8; Ring-necked Duck, 3; Greater Scaup, 1; **Hooded Merganser, 1**; Am. Merganser, 1; Turkey Vulture, 238; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Marsh Hawk, 10; Sparrow Hawk, 33; Bob-white, 45; Killdeer, 29; Herring Gull, 3; Ring-billed Gull, 45; Mourning Dove, 93; Screech Owl, 1; Horned Owl, 3; Barred Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 25; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 32; Eastern Phoebe, 1; Horned Lark, 18; Blue Jay, 55; Am. Crow, 148; Fish Crow, 4; Carolina Chickadee, 121; Tufted Titmouse, 35; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 11; Brown Creeper, 11; Winter Wren, 5; Carolina Wren, 51; Mockingbird, 77; **Catbird, 1**; **Brown Thrasher, 2**; Am. Robin, 16; Hermit Thrush, 2; Eastern Bluebird, 154; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 1; Water Pipit, 150; Loggerhead Shrike, 3; Common Starling, 2124; Myrtle Warbler, 7; **Pine Warbler, 2**; Palm Warbler, 1; House Sparrow, 560; Eastern Meadowlark, 152; Red-winged Blackbird, 3137; Purple Grackle, 3962; Brown-headed Cowbird, 439; Cardinal, 185; Am. Goldfinch, 551; Eastern Towhee, 1; Savannah Sparrow, 48; **Vesper Sparrow, 5**; Slate-colored Junco, 359; Field Sparrow, 49; White-crowned Sparrow, 22; White-throated Sparrow, 260; Fox Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 59. **Total,** 75 species; about 13,736 individuals.—Elsie Bilbrough, Irene Bilbrough, Winifred Bright, A. J. Fletcher (compiler), Roberta B. Fletcher, Marvin W. Hewitt, Naomi W. Hewitt, Clinton Guthrie, Richard L. Kleen, Alicia Knotts, Terry Moore, Ethel Poore.

163. Elkton, Md. (7½-mile radius centering 6 miles southwest of Elkton, including Charlestown, North East, Elk Neck, Chesapeake City, Elk and North East Rivers, estuary of Susquehanna River; tidal rivers and estuaries 35%, deciduous woods 37%, coniferous woods 8%, cultivated fields 15%, residential 5%).—Dec. 31; 6:30 a.m. to 5:15 p.m. Clear; temp. 28° to 45°; wind S, 1-10 m.p.h.; ground bare, open water. Five observers in 2 parties. Total party-hours, 18 (10 on foot, 8 by car); total party-miles, 169 (6 on foot, 163 by car). Horned Grebe, 6; Great Blue Heron, 4; **Mute Swan, 1** (R.H.); Whistling Swan, 1000; Canada Goose, 445; Mallard, 160; Black Duck, 357; Pintail, 1; Green-winged Teal, 1; Redhead, 311; Canvas-back, 1600; Greater Scaup, 3; Am. Golden-eye, 9; Buffle-head, 2; Ruddy Duck, 10; Turkey Vulture, 69; Black Vulture, 7; Red-tailed Hawk, 15; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 15; Bob-white, 21; Am. Coot, 1; Killdeer, 6; Great Black-backed Gull, 2; Herring Gull, 20; Ring-billed Gull, 59; Mourning Dove, 3; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 5; Am. Crow, 53; Fish Crow, 3; Black-capped Chickadee, 16; Carolina Chickadee, 54; Tufted Titmouse, 17; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 4; Brown Creeper, 3; Carolina Wren, 14; Mockingbird, 12; Eastern Bluebird, 8; Golden-crowned Kinglet,

8; Common Starling, 463; Myrtle Warbler, 4; House Sparrow, 112; Eastern Meadowlark, 3; Red-winged Blackbird, 110; Purple Grackle, 7; Brown-headed Cowbird, 6; Cardinal, 71; Purple Finch, 3; Am. Goldfinch, 41; Slate-colored Junco, 240; Am. Tree Sparrow, 6; Field Sparrow, 75; **White-crowned Sparrow, 1**; White-throated Sparrow, 16; Swamp Sparrow, 7; Song Sparrow, 28. **Total,** 65 species; about 5558 individuals.—Kathleen Herbert, Richard Herbert, Edith Pell, Walden Pell 2nd (compiler), Barbara Ward.

164. **Loch Raven, Md.** (from Towson around the lake, through Dulaney Valley to Loch Raven Station; seral stages 30 to 40 years after cultivation 60%, deciduous forest 25%, coniferous plantations 10%, cultivated land 5%).—Dec. 31; 6:30 a.m. to 6 p.m. Clear; temp. 21° to 48°; wind S, 0-8 m.p.h.; ground bare, no ice on lake. One observer. Total hours, 11½ (10½ on foot, 1 by car); total miles, 28 (12 on foot, 16 by car). Mallard, 12; Black Duck, 28; Am. Merganser, 13; Turkey Vulture, 29; Black Vulture, 2; Red-tailed Hawk, 1; Herring Gull, 3; Horned Owl, 2; Belted Kingfisher, 4; Downy Woodpecker, 6; Blue Jay, 3; Am. Crow, 18; Black-capped Chickadee, 2; Carolina Chickadee, 15; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 7; Eastern Bluebird, 4; Golden-crowned Kinglet, 4; Myrtle Warbler, 3; House Sparrow, 20; Cardinal, 11; Am. Goldfinch, 28; Slate-colored Junco, 16; Field Sparrow, 2; White-throated Sparrow, 55; Song Sparrow, 9. **Total,** 30 species; 311 individuals.—Haven Kolb.

165. **McCoole, Md.** (same area and habitat percentages as in previous years).—Dec. 30; 8 a.m. to 8:30 p.m. Clear; temp. 32° to 40°; wind 0-5 m.p.h. Three observers in 1 party. Total party-hours, 12 (10 on foot, 2 by car); total party-miles, 21 (9 on foot, 12 by car). Ruffed Grouse, 1; Bob-white, 6; Screech Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 8; Am. Crow, 4; Black-capped Chickadee, 4; Tufted Titmouse, 15; White-breasted Nuthatch, 2; Carolina Wren, 9; Mockingbird, 5; Hermit Thrush, 1; Eastern Bluebird, 1; Ruby-crowned Kinglet, 1; Common Starling, 250; Myrtle Warbler, 10; House Sparrow, 54; Cardinal, 32; Am. Goldfinch, 85; Slate-colored Junco, 25; Am. Tree Sparrow, 42; White-crowned Sparrow, 10; Swamp Sparrow, 1; Song Sparrow, 2. **Total,** 26 species; about 576 individuals.—Anna H. Llewellyn, Leonard M. Llewellyn (compiler), Mary L. Llewellyn.

166. **Ocean City, Md.** (same area as in past 9 years; same habitat percentages as in 1949).—Dec. 30; 4:15 a.m. to 6 p.m. Clear; temp. 30° to 47°; wind calm; ground bare, all ponds and streams open. Twenty-three observers in 9 parties. Total party-hours, 147 (105 on foot, 34 by car, 8 by boat); total party-miles, 624 (152 on foot, 432 by car, 40 by boat). Common Loon, 23; Red-throated Loon, 74; Horned Grebe, **554**; Pied-billed Grebe, 6; Gannet, 9; Great Blue Heron, 41; Black-crowned Night Heron, 1; Canada Goose, 5100; Am. Brant, 9655; Snow Goose, 141; Blue Goose, 2; Mallard, 510; Black Duck, 683; Am. Widgeon, **810**; Pintail, 122; Green-winged Teal, 82; Wood Duck, 3; Ring-necked Duck, 22; Canvas-back, **30,000**; Greater Scaup, 24; Lesser Scaup, 2; Am. Golden-eye, 296; Buffle-head, **880**; Old-squaw, 1285; King Eider, **3**; White-winged Scoter, 105; Surf Scoter, 1204; Am. Scoter, 30; Ruddy Duck, 16; Hooded Merganser, 2; Am. Merganser, 1; Red-breasted Merganser, 257; Turkey Vulture, **686**; Black Vulture, **15**; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 25; Red-shouldered Hawk, 21; Bald Eagle, 7; Marsh Hawk, 20; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 56; Bob-white, **160**; Clapper Rail, 7; Am. Coot, 1; Ringed Plover, **16**; Piping Plover, **18**; Killdeer, 230; Black-bellied Plover, 146; Ruddy Turnstone, 1 (P.S., D.A.C.); Am. Woodcock, **18**; Wilson's Snipe, 3; Greater Yellow-legs, 4; **Red Knot, 5** (D.A.C.); Purple Sandpiper, 53; Least Sandpiper, 6; Red-backed Sandpiper, 857; Semipalmated Sandpiper, **75**; Western Sandpiper, 1; Sanderling, **1156**; Great Black-backed Gull, **55**; Herring Gull, 2230; Ring-billed Gull, 600; Bonaparte's Gull, 11; **Black-legged Kittiwake, 1** (D.A.C.); **Common Tern, 1** (confirmed by call note—J.T.); **Dovekie, 1** (seen by 3 parties); Mourning Dove, 1247; Barn Owl, 1; Screech Owl, 2; Horned Owl, **15**; Barred Owl, **12**; Short-eared Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, **165**; Pileated Woodpecker, **18**; Red-bellied Woodpecker, 83; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 28; Downy Woodpecker, 134; Eastern Phoebe, 14; Horned Lark, 74 (2 races); Tree Swallow, **262**; Blue Jay, **78**; Am. Crow, 347; Fish Crow, 3; Black-capped Chickadee, 3 (J.K.W., L.W.O.); Carolina Chickadee, 272; Tufted Titmouse, 260; White-breasted Nuthatch, 16; Brown-headed Nuthatch, 13; Brown Creeper, 32; House Wren, 3; Winter Wren, **86**; Carolina Wren, **249**; Long-billed Marsh Wren, 7; Mockingbird, 67; Catbird, 7; Brown Thrasher, 8; Am. Robin, **3950**; Hermit Thrush, **72**; Eastern Bluebird, **202**; Golden-crowned Kinglet, **174**; Ruby-crowned Kinglet, 13; Water Pipit, 36; Cedar Waxwing, **166**; Loggerhead Shrike, 12; Common Starling, 3340; Myrtle Warbler, 1330; Pine Warbler, 2; Palm Warbler (Western), 9; Yellow-breasted Chat, 1; House Sparrow, 1190; Eastern Meadowlark, **2548**; Red-winged Blackbird, **39,120**; Rusty Blackbird, 12; Boat-tailed Grackle, 45; Purple Grackle, **38,080**; Brown-headed Cowbird, 14,950; Cardinal, **688**; Purple Finch, 10; Pine Siskin, 57; Am. Goldfinch, **1204**; Eastern Towhee, **415**; Ipswich Sparrow, **10**; Savannah Sparrow, 173; Sharp-tailed Sparrow, 6; Vesper Sparrow, **86**; Slate-colored Junco, 887; Am. Tree Sparrow, 7; Chipping Sparrow, 1; Field Sparrow, 268; White-crowned Sparrow, 1; White-throated Sparrow, **4463**; Fox Sparrow, 31; Lincoln's Sparrow, 1 (D.A.J.); Swamp Sparrow, **422**; Song Sparrow, **835**; **Lapland Longspur, 1** (D.W.L., J.A.B.); Snow Bunting, 38. **Total,** 141 species (1 additional subspecies); about 176,821 individuals. (Whistling Swan seen during the period.) [Carefully prepared count with excellent details for all unusual reports—Ed.]—

Jackson M. Abbott, Harry Armistead, James M. Bates, Robert B. Bates, Joseph A. Beatty, Gladys Cole, David A. Cutler, Edwin G. Davis, Samuel H. Dyke, Duvall A. Jones, Gordon Knight, Donald W. Lamm, Seth H. Low, Seth T. Low, William Noble, Lewis W. Oring, Chandler S. Robbins (compiler), William C. Russell, Paul Schwalbe, Karl Stecher, John Terborgh, Ralph Wilson, J. Kenneth Wright (Maryland Ornithological Society).

167. Port Tobacco, Md. (7½-mile radius centering at Bel Alton, including Nanjemoy River, head of Wicomoco River, Port Tobacco River, Popes Creek, Allens Fresh and Cedar Point Neck; woodland 45%, cultivated land 35%, tidal waters 15%, marsh 3%, swamp 2%).—Dec. 28; 6 a.m. to 5:20 p.m. Cloudy; temp. 38° to 52°; wind 0-5 m.p.h.; no snow, open water. One observer. Total hours, 11 (4 on foot, 7 by car); total miles, 94 (4 on foot, 90 by car). Horned Grebe, 6; Pied-billed Grebe, 7; Great Blue Heron, 1; Whistling Swan, 140; Canada Goose, 38; Gadwall, 900; Am. Widgeon, 2250; Pintail, 1; Canvas-back, 235; Lesser Scaup, 1; Am. Golden-eye, 1; Buffle-head, 8; Ruddy Duck, 160; Turkey Vulture, 7; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Am. Coot, 2225; Killdeer, 2; Herring Gull, 2; Ring-billed Gull, 51; Mourning Dove, 70; Barred Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 5; Downy Woodpecker, 3; Blue Jay, 17; Am. Crow, 36; Carolina Chickadee, 10; Tufted Titmouse, 9; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 9; Mockingbird, 4; Brown Thrasher, 1; Eastern Bluebird, 19; Golden-crowned Kinglet, 5; Common Starling, 80; Myrtle Warbler, 14; House Sparrow, 14; Eastern Meadowlark, 70; Red-winged Blackbird, 26; Cardinal, 19; Purple Finch, 4; Am. Goldfinch, 65; Eastern Towhee, 1; Slate-colored Junco, 36; Am. Tree Sparrow, 6; Field Sparrow, 12; White-throated Sparrow, 32; Swamp Sparrow, 6; Song Sparrow, 12. **Total,** 53 species; about 6639 individuals.—A. R. Stickley, Jr.

168. St. Michaels, Md. (approximately same area as in past 3 years; same habitat percentages).—Dec. 29; 12:01 a.m. to 11:59 p.m. Clear; temp. 28° to 43°; wind NW, 5-20 m.p.h.; ground bare, all water open. Thirty-five observers in 13 parties. Total party-hours, 137 (79 on foot, 43 by car, 4 by bicycle, 11 by boat); total party-miles, 654 (77 on foot, 517 by car, 15 by bicycle, 45 by boat). Common Loon, 2; Horned Grebe, **1282**; Great Blue Heron, 60; Black-crowned Night Heron, 1; Whistling Swan, **9106**; Canada Goose, 23,100; Am. Brant, 25; **Blue Goose, 2** (H.A., W.R.); Mallard, 1096; Black Duck, 2940; Am. Widgeon, 1461; Pintail, 33; Green-winged Teal, 9; **Blue-winged Teal, 6** (R.D.); Redhead, 274; Canvas-back, 6220; Lesser Scaup, 508; Am. Golden-eye, 2380; Buffle-head, 533; Old-squaw, **3326**; White-winged Scoter, 572; Surf Scoter, 6; Ruddy Duck, 1012; **Hooded Merganser, 1**; Am. Merganser, 1; Red-breasted Merganser, 36; Turkey Vulture, 545; Black Vulture, **21**; Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-tailed Hawk, 36; Red-shouldered Hawk, 2; Bald Eagle, **8**; Marsh Hawk, 23; **Pigeon Hawk, 1** (J.F., M.H.); Sparrow Hawk, 43; Bob-white, **251**; Am. Coot, 258; Killdeer, 74; Am. Woodcock, 2; Wilson's Snipe, 1; **Red-backed Sandpiper, 8**; Great Black-backed Gull, 12; Herring Gull, **4383**; Ring-billed Gull, **4078**; Mourning Dove, 227; Barn Owl, 1; Screech Owl, **10**; Horned Owl, **35**; Belted Kingfisher, 27; Yellow-shafted Flicker, 44; Red-bellied Woodpecker, 65; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 72; Eastern Phoebe, 1; Horned Lark, 45; Blue Jay, 84; Am. Crow, 4713; Fish Crow, 112; Carolina Chickadee, **437**; Tufted Titmouse, **178**; White-breasted Nuthatch, 57; Red-breasted Nuthatch, **39**; Brown-headed Nuthatch, **238**; Brown Creeper, 12; Winter Wren, 5; Carolina Wren, 117; Mockingbird, 263; Catbird, 2; Brown Thrasher, **9**; Am. Robin, 129; Hermit Thrush, 6; **Olive-backed Thrush, 1** (J.S.); Eastern Bluebird, **258**; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 5; Water Pipit, 36; Cedar Waxwing, 115; **Gray Shrike, 1** (W.N.); Loggerhead Shrike, 6; Common Starling, 5652; Myrtle Warbler, 849; Pine Warbler, 1; **Yellow-breasted Chat, 1** (R.D.); House Sparrow, 842; Eastern Meadowlark, 1048; Red-winged Blackbird 6719; **Baltimore Oriole, 2**; Rusty Blackbird, 5; Purple Grackle, 1542; Brown-headed Cowbird, 683; Cardinal, 504; Evening Grosbeak, 15; Purple Finch, 2; Am. Goldfinch, 930; Eastern Towhee, 40; Savannah Sparrow, 65; Vesper Sparrow, 1; Slate-colored Junco, **1840**; Am. Tree Sparrow, 5; **Chipping Sparrow, 1**; Field Sparrow, **881**; **White-crowned Sparrow, 9**; White-throated Sparrow, **2982**; Fox Sparrow, 1; Swamp Sparrow, 36; Song Sparrow, 516. **Total,** 108 species; about 96,287 individuals. [Careful details submitted for all unusual observations—Ed.]—Ernest Adams, Edith Adkins, J. T. B. Ambler, Harry Armistead, Kay Barner, Barnie Bauer, Mrs. R. Cole, Richard Dubois, Jerry Fletcher, A. E. Henderson, Marvin Hewitt, Richard L. Kleen (compiler), Gordon Knight, Tom Lord, William Noble, Jane Offutt, Will Russell, Joe Spurry (Talbot County Bird Club, Maryland Ornithological Society).

169. Seneca, Md. (same area as 1955 and subsequent counts; wooded areas and thickets 40%, submarginal land 20%, pasture 20%, cultivated 15%, village 5%).—Jan. 1; 6:45 a.m. to 5:10 p.m. Overcast a.m. clearing p.m.; temp. 46° to 30°; wind SW to NW, 6-29 m.p.h.; ground bare, water open. Eight observers in 6 parties. Total party-hours, 66 (40 on foot, 26 by car); total party-miles, 96 (46 on foot, 50 by car). Great Blue Heron, 2; Mallard, 195; Black Duck, 91; Gadwall, 2; Green-winged Teal, 2; Wood Duck, 1; Ring-necked Duck, 21; Canvas-back, 2; Am. Golden-eye, 5; Buffle-head, 5; Turkey Vulture, 135; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Bob-white, 14; Am. Coot, 8; Killdeer, 6; Ring-billed Gull, 48; Mourning Dove, 8; Barred Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 24; Pileated Woodpecker, 7; Red-bellied Woodpecker, 45; Yellow-bellied Sap-

sucker, 6; Hairy Woodpecker, 12; Downy Woodpecker, 41; Eastern Phoebe, 4; Horned Lark, 20; Blue Jay, 14; Am. Crow, 188; Carolina Chickadee, 127; Tufted Titmouse, 71; White-breasted Nuthatch, 46; Brown Creeper, 12; Winter Wren, 20; Carolina Wren, 104; Mockingbird, 35; Am. Robin, 21; Hermit Thrush, 1; Eastern Bluebird, 42; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 5; Cedar Waxwing, 46; Common Starling, 1668; House Sparrow, 102; Eastern Meadowlark, 14; Cardinal, 231; Evening Grosbeak, 3; Purple Finch, 4; Pine Siskin, 1; Am. Goldfinch, 111; Slate-colored Junco, 221; Am. Tree Sparrow, 31; Field Sparrow, 9; **Harris's Sparrow,** 1 (carefully identified at 25 feet—C.S.R.); White-throated Sparrow, 109; Swamp Sparrow, 1; Song Sparrow, 26. **Total,** 62 species; about 4027 individuals. [Careful unquestionable details submitted for Harris's Sparrow—Ed.]—Walter M. Booth, Gladys Clarke, Katherine Goodpasture, Jack P. Hailman, Eva Linscott, Chandler S. Robbins, Hilda E. Smith (compiler), Goldie Thomsen.

170. Southern Dorchester County, Md. (Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 10 years).— Dec. 31; 12:01 a.m. to 6 p.m. Clear; temp. 26° to 50°; wind NW, 0-5 m.p.h.; ground bare, all ponds and streams open, skim ice on marshes in early morning. Seventeen observers in 6 parties. Total party-hours, 77 (58 on foot, 16 by car, 2 by boat, 1 by plane); total party-miles, 460 (65 on foot, 295 by car, 10 by boat, 90 by plane). Horned Grebe, **229**; Pied-billed Grebe, 1; Great Blue Heron, 24; Am. Egret, 2; Black-crowned Night Heron, **28**; Am. Bittern, 1; Whistling Swan, 165; Canada Goose, 7135; Snow Goose, 7; Blue Goose, 10; Mallard, 3010; Black Duck, 5620; Gadwall, 57; Am. Widgeon, 285; Pintail, 1210; Green-winged Teal, 190; Blue-winged Teal, 1; Shoveller, 8; Redhead, 60; Ring-necked Duck, 3000; Canvas-back, 9090; Greater Scaup, 1; Lesser Scaup, **4490**; Am. Golden-eye, 393; Bufflehead, 39; Old-squaw, 32; Am. Scoter, 4; Ruddy Duck, **820**; Hooded Merganser, 4; Am. Merganser, 40; Red-breasted Merganser, 7; Turkey Vulture, 250; Sharp-shinned Hawk, 6; Cooper's Hawk, 4; Red-tailed Hawk, 10; Red-shouldered Hawk, 16; Rough-legged Hawk, 3; Bald Eagle, 9; Marsh Hawk, 47; Sparrow Hawk, **24**; Bob-white, 30; King Rail, 3; Virginia Rail, 44; Am. Coot, 2; Killdeer, 183; Am. Woodcock, **3**; Wilson's Snipe, 11; Greater Yellow-legs, 6; Lesser Yellow-legs, 2; Red-backed Sandpiper, 6; Great Black-backed Gull, 6; Herring Gull, 515; Ring-billed Gull, 860; Mourning Dove, 56; Barn Owl, **10**; Screech Owl, **12**; Horned Owl, **47**; Barred Owl, **5**; Short-eared Owl, **17**; Belted Kingfisher, 10; Yellow-shafted Flicker, 49; Pileated Woodpecker, 7; Red-bellied Woodpecker, 26; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 55; Horned Lark, 2; Tree Swallow, **1255**; Blue Jay, 9; Am. Crow, 3545; Fish Crow, 9; Carolina Chickadee, 174; Tufted Titmouse, 43; White-breasted Nuthatch, **12**; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, **208**; Brown Creeper, 14; Winter Wren, 11; Carolina Wren, 99; Long-billed Marsh Wren, 34; Short-billed Marsh Wren, 6; Mockingbird, 37; Catbird, 7; Brown Thrasher, 22; Am. Robin, 112; Hermit Thrush, 19; **Olive-backed Thrush, 1** (W.C.R.); Eastern Bluebird, **147**; Golden-crowned Kinglet, 69; Ruby-crowned Kinglet, 15; Water Pipit, 228; Cedar Waxwing, 4; **Gray Shrike, 1** (Ryans); Loggerhead Shrike, 1; Common Starling, 840; **Orange-crowned Warbler, 1** (H.A.); Myrtle Warbler, 1706; Pine Warbler, 2; Palm Warbler (Western), 2; House Sparrow, **657**; Eastern Meadowlark, 624; Red-winged Blackbird, 3028; Purple Grackle, 367; Brown-headed Cowbird, 2; Cardinal, 149; Purple Finch, 3; Pine Siskin, 1; Am. Goldfinch, 344; Eastern Towhee, 44; Savannah Sparrow, 91; Vesper Sparrow, 1; **Pinewoods Sparrow, 1** (K.S.); Slate-colored Junco, 242; Am. Tree Sparrow, 6; Field Sparrow, 191; White-throated Sparrow, 480; Fox Sparrow, 11; Swamp Sparrow, **401**; Song Sparrow, 407. **Total,** 119 species; about 54,002 individuals. [Carefully prepared count, excellent details for all unusual records —Ed.]—Harry Armistead, Robert H. Bain, Kathryn Barner, Mrs. John C. Bauer, Joseph A. Beatty, Gladys Cole, A. McGehee Harvey, Duvall A. Jones, Gordon Knight, Seth H. Low, Seth T. Low, William Noble, Chandler S. Robbins (compiler), William C. Russell, Karl Stecher, John Terborgh, Cornelius W. Wallace (Maryland Ornithological Society).

171. Triadelphia Reservoir, Md. (Montgomery and Howard Counties; same area and habitat percentages as in previous 9 years, reservoir lowest in its history exposing extensive flats).—Dec. 21; 5:30 a.m. to 6 p.m. Partly cloudy; temp. 42° to 53°; wind NW, 20-25 m.p.h. keeping birds inactive; ground clear (10-in. snow Dec. 4), water areas open. Fifteen observers in 7 parties. Total party-hours, 59 (40 on foot, 19 by car); total party-miles, 223 (24 on foot, 199 by car). Horned Grebe, 3; Great Blue Heron, 3; Canada Goose, 6; Mallard, 800; Black Duck, 450; Am. Widgeon, 36; Pintail, 2; scaup (sp.), 1; Hooded Merganser, 15; Am. Merganser, 93; Turkey Vulture, 213; Black Vulture, 7; Sharp-shinned Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 16; Bob-white, 29; Killdeer, 13; Mourning Dove, 112; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 25; Pileated Woodpecker, 2; Red-bellied Woodpecker, 23; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 35; Eastern Phoebe, 1; Horned Lark, 12; Blue Jay, 44; Am. Crow, 1344; Black-capped Chickadee, 11; Carolina Chickadee, 144; Tufted Titmouse, 87; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 4; Carolina Wren, 36; Mockingbird, 115; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 47; Golden-crowned Kinglet, 11; Loggerhead Shrike, 2; Common Starling, 3082; Myrtle Warbler, 28; House Sparrow, 429; Eastern Meadowlark, 102; Red-winged Blackbird, 1; Purple Grackle, 18; Cardinal, 136; Purple Finch, 7; Pine Siskin, 6; Am. Goldfinch, 762; Eastern Towhee, 1; Slate-colored Junco, 571; Am. Tree Sparrow, 106; Field Sparrow, 65; White-crowned Sparrow, 37;

White-throated Sparrow, 276; Swamp Sparrow, 18; Song Sparrow, 68; Snow Bunting, 4. **Total,** 66 species; about 9525 individuals. (Evening Grosbeak in area during period.)—Walter M. Booth, Mrs. Richard D. Cole, John H. Fales, Aelred D. Geis, Donald H. Lamore, Margaret L. Low, Seth H. Low (compiler), Seth T. Low, David F. Munro, Mrs. G. C. Munro, John W. Richards, Chandler S. Robbins, Jane S. Robbins, Stuart B. Robbins, Mrs. Elmer G. Worthley.

172. **Washington, D. C.** (same area since 1943, 7½-mile radius centering on Navy Annex Building.) —Dec. 28; 6 a.m. to 6 p.m. Overcast, threatening rain; temp. 38° to 48°; wind SSE to WNW, 5-10 m.p.h.; ground bare, water open. Sixty-three observers in 26 parties. Total party-hours, 170 (145 on foot, 19 by car, 6 by canoe); total party-miles, 275 (102 on foot, 169 by car, 4 by canoe). **Red-throated Loon, 1** (carefully identified); Pied-billed Grebe, 1; Great Blue Heron, 34; Black-crowned Night Heron, 1; Canada Goose, 55; Mallard, 95; Black Duck, 593; Am. Widgeon, 128; Pintail, 1171; Green-winged Teal, 97; Shoveller, 16; Ring-necked Duck, 2; Greater Scaup, 1; Lesser Scaup, 23; Buffle-head, 33; Ruddy Duck, 460; Am. Merganser, 58; Turkey Vulture, 228; Black Vulture, 27; Sharp-shinned Hawk, 6; Cooper's Hawk, 6; Red-tailed Hawk, 18; Red-shouldered Hawk, 24; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 22; **Osprey, 1** (carefully identified); Bob-white, 81; **King Rail, 1**; Am. Coot, 2; Killdeer, 160; Wilson's Snipe, 15; **Least Sandpiper, 4**; **Semipalmated Sandpiper, 1**; Herring Gull, 2369; Ring-billed Gull, 3844; Mourning Dove, 283; Horned Owl, 3; Barred Owl, 8; **Short-eared Owl, 1**; Belted Kingfisher, 19; Yellow-shafted Flicker, 91; Pileated Woodpecker, 5; Red-bellied Woodpecker, 103; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 33; Downy Woodpecker, 164; Eastern Phoebe, 1; Horned Lark, 1; Blue Jay, 304; Am. Crow, 1595; Fish Crow, 73; Black-capped Chickadee, 11; Carolina Chickadee, 460; Tufted Titmouse, 363; White-breasted Nuthatch, 155; Red-breasted Nuthatch, 10; Brown Creeper, 29; **House Wren, 1** (B.F.); Winter Wren, 16; Carolina Wren, 283; Long-billed Marsh Wren, **38**; Mockingbird, 269; Catbird, 1; Am. Robin, 216; Hermit Thrush, 1; Eastern Bluebird, 43; Golden-crowned Kinglet, 48; Ruby-crowned Kinglet, 15; Cedar Waxwing, 98; Loggerhead Shrike, 1; Common Starling, 25,278; Myrtle Warbler, 34; **Yellow-throated Warbler, 1** (well seen at close range—C.R.H., Jr.); **Common Yellowthroat, 1**; House Sparrow, 871; Eastern Meadowlark, 46; Red-winged Blackbird, 2325; Rusty Blackbird, 71; Purple Grackle, 3; Brown-headed Cowbird, 23; Cardinal, 607; Purple Finch, 150; Pine Siskin, 21; Am. Goldfinch, 640; Eastern Towhee, 3; Savannah Sparrow, **22**; Slate-colored Junco, 1076; Am. Tree Sparrow, 143; Chipping Sparrow, 3; Field Sparrow, 199; White-crowned Sparrow, 12; White-throated Sparrow, 733; Fox Sparrow, 2; Swamp Sparrow, 169; Song Sparrow, 626. **Total,** 96 species; about 47,386 individuals. (Seen in area count period: Brown Thrasher, Evening Grosbeak.)—J. M. Abbott, E. Arnold, L. Berry, E. W. Caswell, R. Caswell, J. Criswell, E. G. Davis, W. DelGrande, C. Dillon, Mr. and Mrs. M. D. Donnold, P. A. DuMont, J. Eike, R. Farquhar, B. Feltner, W. Francis, W. L. Garges, M. Gilbert, A. Goldman, H. Goldstick, K. Goodpasture, J. Hailman, E. J. Hayward, C. R. Hough, C. R. Hough, Jr., Mr. and Mrs. W. A. Houston, A. Hubbel, G. Hyatt, D. S. Keeney, A. Kennedy, D. Lamm, B. Major, G. M. Meade, J. B. Meade, J. Middleton, L. Moe, D. Morton, E. C. Niebuhr, L. Oring, J. Padfield, H. Page, D. Pierce, Mr. and Mrs. G. Rowe, J. Roller, D. Ruch, T. Ruebush, N. Shelton, H. B. Stabler, K. Stecher, H. Sutton (compiler), Mr. and Mrs. R. P. Teele, H. Tucker, J. Turner, Mr. and Mrs. P. Walker, B. Warfield, L. Wendt, D. Wilson, J. K. Wright (Audubon Society of the District of Columbia).

173. **Appomattox, Va.** (7½-mile radius centering on junction of secondary roads 627 and 639, including Holiday Lake, Appomattox National Historical Park, southern 2/3 of Buckingham-Appomattox State Forest, northeastern East Fork Falling River Pilot Watershed; mixed pine and deciduous woodland 75%, lakes and small ponds 15%, bottomland hardwoods 5%, open fields 2%, farmyards 3%).—Dec. 31; 8:20 a.m. to 4:30 p.m. Clear; temp. 20° to 45°; wind NW, 0-5 m.p.h. One observer. Total hours, 8 (3 on foot, 5 by car); total miles, 66 (3 on foot, 63 by car). Horned Grebe, 4; Pied-billed Grebe, 3; Mallard, 75; Black Duck, 50; **Redhead, 1**; Ring-necked Duck, 8; Canvas-back, 2; Ruddy Duck, 7; Turkey Vulture, 60; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Am. Coot, 3; Killdeer, 12; Mourning Dove, 38; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 3; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 6; Eastern Phoebe, 2; Blue Jay, 5; Am. Crow, 102; Carolina Chickadee, 26; Tufted Titmouse, 7; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 13; Brown Creeper, 1; **House Wren, 1**; Winter Wren, 3; Carolina Wren, 14; Mockingbird, 5; Am. Robin, 18; Hermit Thrush, 1; Eastern Bluebird, 25; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 5; Cedar Waxwing, 35; Loggerhead Shrike, 3; Common Starling, 230; Myrtle Warbler, 4; House Sparrow, 20; Eastern Meadowlark, 45; Purple Grackle, 3; Cardinal, 30; **Evening Grosbeak, 4**; Purple Finch, 7; Pine Siskin, 4; Am. Goldfinch, 20; Slate-colored Junco, 50; Field Sparrow, 52; White-throated Sparrow, 146; Swamp Sparrow, 2; Song Sparrow, 137. **Total,** 55 species; about 1331 individuals. (Seen in area count period: Turkey.)—A. S. Messenger.

174. **Back Bay National Wildlife Refuge, Va.** (same area as in previous years, refuge and much of mainland of Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, open beach 5%, marshes and inland bay 45%).—Dec. 28; 5:30 a.m. to 5 p.m. Partly cloudy; temp. 39° to 59°; wind SW, 0-8 m.p.h.; ground bare, water open. Fifteen observers in 7 parties. Total party-hours, 71 (36 on foot, 33 by car, 2 by boat); total party-miles, 384 (46 on foot, 323 by car, 15 by

boat). Common Loon, 26; Red-throated Loon, 6; Horned Grebe, 51; Pied-billed Grebe, 6; **Brown Pelican, 1** (P.W.S.); Gannet, 8; Great Blue Heron, 8; Am. Egret, 1; Black-crowned Night Heron, 2; Am. Bittern, 4; Whistling Swan, 1650; Canada Goose, 6800; Snow Goose, 10,500; Blue Goose, 3; Mallard, 1500; Black Duck, 2355; Am. Widgeon, 1600; Pintail, 810; Green-winged Teal, 60; Blue-winged Teal, 11; Shoveller, 50; Wood Duck, 2; Redhead, 432; Ring-necked Duck, 615; Canvas-back, 130; Lesser Scaup, 460; Am. Golden-eye, 13; Bufflehead, 2; Old-squaw, 1; **King Eider, 2** (carefully identified—P.W.S.); White-winged Scoter, 1; Surf Scoter, 28; Am. Scoter, 4; Ruddy Duck, 78; Hooded Merganser, 2; Red-breasted Merganser, 279; Turkey Vulture, 52; Black Vulture, 66; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 7; **Broad-winged Hawk, 1** (carefully identified); Bald Eagle, 11; Marsh Hawk, 37; Pigeon Hawk, 1; Sparrow Hawk, 73; Bob-white, 22; King Rail, 2; **Sora, 2** (W.F.R.); **Florida Gallinule, 3**; Am. Coot, 1125; Killdeer, 67; Black-bellied Plover, 1; Wilson's Snipe, 6; Greater Yellow-legs, 1; **Red Knot, 8**; Red-backed Sandpiper, 2; Sanderling, 17; Great Black-backed Gull, 38; Herring Gull, 500; Ring-billed Gull, 500; **Royal Tern, 5** (P.W.S.); Mourning Dove, 150; Barn Owl, 1; Screech Owl, 3; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 66; Pileated Woodpecker, 6; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 14; Downy Woodpecker, 33; Eastern Phoebe, 5; Horned Lark, 12; Tree Swallow, **141**; Blue Jay, 1; Am. Crow, 190; Fish Crow, 17; Carolina Chickadee, 121; Tufted Titmouse, 20; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 68; Brown Creeper, 3; House Wren, 11; Winter Wren, 10; Carolina Wren, 130; Long-billed Marsh Wren, 19; Short-billed Marsh Wren, 13; Mockingbird, 69; Catbird, 28; Brown Thrasher, 8; Am. Robin, 166; Hermit Thrush, 4; **Olive-backed Thrush, 1** (carefully identified at 20 ft.); Eastern Bluebird, 41; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 13; Water Pipit, 739; Loggerhead Shrike, 3; Common Starling, 471; Myrtle Warbler, 1234; Pine Warbler, 18; Common Yellowthroat, 16; House Sparrow, 193; Eastern Meadowlark, 762; Red-winged Blackbird, 40,442; Rusty Blackbird, 42; Purple Grackle, 61; Brown-headed Cowbird, 1411; Cardinal, 232; Purple Finch, 4; Pine Siskin, 4; Am. Goldfinch, 1067; Eastern Towhee, 77; Ipswich Sparrow, 1; Savannah Sparrow, 254; Slate-colored Junco, 147; Chipping Sparrow, 27; Field Sparrow, 197; White-throated Sparrow, 1036; Fox Sparrow, 41; Swamp Sparrow, 431; Song Sparrow, 467. **Total,** 127 species; about 80,856 individuals. [All 4 counts compiled by Sykes well prepared and carefully documented—Ed.]—Dr. and Mrs. W. G. Akers, Mr. and Mrs. S. E. Breneiser, William Efird, Anna Grimm, Gisela Grimm, Henry Hespenheide, Mrs. M. F. Morrisette, R. H. Peake, Jr., Arnold Rawson, W. F. Rountrey, P. W. Sykes, Jr. (compiler), R. L. Waterfield, Edward Webster, Jr.

175. Big Flat Mountain, Va. (same area and habitat percentages as last year, mostly in southern Shenandoah National Park).—Dec. 22; 6:45 a.m. to 4:15 p.m. Clear; temp. 28° to 50°; wind W, 0-10 m.p.h. Two observers in 1 party. Total party-hours, 9½ (all on foot); total party-miles 16 (all on foot). Black Duck, 1; Turkey Vulture, 9; Red-tailed Hawk, 2; Ruffed Grouse, 3; Pileated Woodpecker, 2; Downy Woodpecker, 12; Eastern Phoebe, 1; Horned Lark, 8; Blue Jay, 3; Common Raven, 4; Am. Crow, 157; Carolina Chickadee, 37; Tufted Titmouse, 18; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 5; Carolina Wren, 14; Mockingbird, 2; Am. Robin, 85; Eastern Bluebird, 1; Golden-crowned Kinglet, 8; Common Starling, 4; Myrtle Warbler, 1; Cardinal, 13; Evening Grosbeak, 7; Purple Finch, 6; Pine Siskin, 81; Am. Goldfinch, 39; Slate-colored Junco, 94; Am. Tree Sparrow, 9; White-throated Sparrow, 16; Song Sparrow, 2. **Total,** 31 species; about 646 individuals.—Robert S. Merkel, Charles E. Stevens (compiler).

176. Blacksburg, Va. (same area as last year; pasture and plowed land 20%, town and suburbs 10%, virgin White Oak woodlots 20%, mixed pine and oak woods 20%, river and creek bottoms 30%). —Dec. 27; 6:30 a.m. to 6 p.m. Clear; temp. 28° to 45°; wind W, 20-30-5 m.p.h.; ground bare except on mountain tops, water open. Fifteen observers in 8 parties. Total party-hours, 68 (64 on foot, 4 by car); total party-miles, 110 (57 on foot, 53 by car). Pied-billed Grebe, 3; Mallard, 47; Black Duck, 23; Gadwall, 8; Am. Widgeon, 111; Pintail, 8; Green-winged Teal, 1; Ring-necked Duck, 2; Canvas-back, 3; Lesser Scaup, 101; Am. Golden-eye, 4; Buffle-head, 101; Ruddy Duck, 1; Turkey Vulture, 11; Black Vulture, 4; Cooper's Hawk, 2; Red-tailed Hawk, 1; Sparrow Hawk, 5; Bob-white, 51; Am. Coot, 1; Killdeer, 26; Wilson's Snipe, 5; Mourning Dove, 133; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 15; Pileated Woodpecker, 6; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 29; Eastern Phoebe, 4; Horned Lark, 30; Blue Jay, **352**; Am. Crow, 777; Carolina Chickadee, 149; Tufted Titmouse, 133; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 32; Brown Creeper, 10; Winter Wren, 22; Carolina Wren, 75; Mockingbird, 52; Am. Robin, 58; Hermit Thrush, 6; Eastern Bluebird, 15; Golden-crowned Kinglet, 39; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 4; Common Starling, 2793; Myrtle Warbler, 5; **Common Yellowthroat, 1** (C.O.H., Jr.); House Sparrow, 294; Eastern Meadowlark, 153; Red-winged Blackbird, 1; Rusty Blackbird, **250**; Purple Grackle, **1506**; Brown-headed Cowbird, **310**; Cardinal, 268; Purple Finch, 12; Pine Siskin, 10; Am. Goldfinch, 318; Eastern Towhee, 13; Slate-colored Junco, 194; Am. Tree Sparrow, 7; Field Sparrow, 93; White-crowned Sparrow, 37; White-throated Sparrow, 85; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 215. **Total,** 73 species; about 9113 individuals.—Mr. and Mrs. E. A. Smyth, Allan Smyth, J. D. Cooper, M. G. Hale, G. M.

Shear, Mr. and Mrs. C. W. Roane, C. O. Handley, Sr., C. O. Handley, Jr., J. S. Lindzey, H. S. Mosby, J .W. Murray, A. L. Dean, R. J. Watson (compiler).

177. Brooke, Va. (triangular area with Brooke, Widewater, mouth of Potomac Creek at the 3 apices; tidal water 25%, marsh 14%, swamp 8%, fields 9%, hedgerows 7%, mixed forest edge 15%, deciduous woods 17%, pine woods 4%, slash 1%).—Dec. 22; 6:45 a.m. to 5:45 p.m. Clear, a few wispy clouds; temp. 27° to 50°; wind S, 1-8 m.p.h.; ground bare, river and bays ice-free. Ten observers in 7 parties. Total party-hours, 54 (48 on foot, 6 by car); total party-miles, 39 (28 on foot, 11 by car). Common Loon, 3; Horned Grebe, 4; Pied-billed Grebe, 2; Great Blue Heron, 20; **Am. Bittern, 1**; Whistling Swan, 200; Canada Goose, 360; Mallard, 50; Black Duck, 1000; Gadwall, 12; Am. Widgeon, 25; **Shoveller, 2**; Redhead, 6; Ring-necked Duck, 10; Canvas-back, 4000; scaup (sp.), 1400; Am. Golden-eye, 15; Buffle-head, 30; Ruddy Duck, **14,000**; Hooded Merganser, 10; Am. Merganser, 250; Red-breasted Merganser, 100; Turkey Vulture, 10; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 8; Marsh Hawk, 5; **Pigeon Hawk, 1** (R.B., H.B.); Sparrow Hawk, 2; Bob-white, 16; Am. Coot, 15; Killdeer, 13; Herring Gull, 50; Ring-billed Gull, 150; Mourning Dove, 22; Belted Kingfisher, 4; Yellow-shafted Flicker, 30; Pileated Woodpecker, 8; Red-bellied Woodpecker, 35; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 4; Downy Woodpecker, 40; Blue Jay, 150; Am. Crow, 150; Fish Crow, 1; Carolina Chickadee, 110; Tufted Titmouse, 55; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 4; Brown Creeper, 6; Winter Wren, 9; Carolina Wren, 70; Mockingbird, 65; Am. Robin, 30; Hermit Thrush, 16; Eastern Bluebird, 100; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 8; Cedar Waxwing, 150; Common Starling, 100; Myrtle Warbler, 130; House Sparrow, 20; Eastern Meadowlark, 15; Red-winged Blackbird, 850; Rusty Blackbird, 10; Purple Grackle, 4; Brown-headed Cowbird, 25; Cardinal, 150; Evening Grosbeak, 35; Purple Finch, 30; Pine Siskin, 5; Am. Goldfinch, 350; Eastern Towhee, 18; Savannah Sparrow, 8; Slate-colored Junco, 350; Am. Tree Sparrow, 80; Field Sparrow, 100; White-throated Sparrow, 250; Fox Sparrow, 4; Swamp Sparrow, 16; Song Sparrow, 150. **Total,** 83 species; about 25,581 individuals.—C. A. Anderson, Roy A. Bailey, A. A. Baker, Henry Bell, III, Andrew Griscom, Luna B. Leopold, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey, Robert L. Smith.

178. Buggs Island Lake, Va.–N. C. (7½-mile radius centering on junction of secondary roads 705 and 823, including Roanoke River and Buggs Island Lake between Clarksville and John H. Kerr Dam, Boydton, part of Clarksville; lake and river shores 65%, pine woods 20%, deciduous uplands 5%, open fields 5%, urban 5%).—Jan. 1; 9:15 a.m. to 5:15 p.m. Cloudy with intermittent rain; temp. 35° to 54°; wind SW, 0-5 m.p.h. Two observers in 1 party. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 160 (10 on foot, 150 by car). Pied-billed Grebe, 4; Great Blue Heron, 2; Canada Goose, 120; Black Duck, 14; Hooded Merganser, 28; Black Vulture, 4; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; **Bald Eagle, 2**; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 1; Killdeer, 1; Wilson's Snipe, 1; Herring Gull, 20; Ring-billed Gull, 180; Mourning Dove, 76; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 9; Am. Crow, 52; Carolina Chickadee, 10; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 16; Mockingbird, 12; Am. Robin, 207; Hermit Thrush, 3; Eastern Bluebird, 56; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 13; Cedar Waxwing, 174; Loggerhead Shrike, 7; Common Starling, 3130; Myrtle Warbler, 10; Pine Warbler, 19; House Sparrow, 11; Eastern Meadowlark, 75; Cardinal, 32; Purple Finch, 5; Pine Siskin, 1; Am. Goldfinch, 75; Eastern Towhee, 4; Slate-colored Junco, 148; Field Sparrow, 116; White-throated Sparrow, 55; Swamp Sparrow, 16; Song Sparrow, 36. **Total,** 55 species; about 4855 individuals.—W. S. James, A. S. Messenger (compiler).

179. Charlottesville, Va. (same area and habitat percentages as last year).—Dec. 31; 6:45 a.m. to 5:15 p.m. Clear; temp. 28° to 42°; wind W, 0-5 m.p.h. Four observers in 4 parties. Total party-hours, 26 (22 on foot, 4 by car); total party-miles, 77 (28 on foot, 49 by car). Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 3; Mallard, 9; Black Duck, 21; Am. Golden-eye, 3; Hooded Merganser, 1; Am. Merganser, 1; Turkey Vulture, 23; Black Vulture, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 7; Killdeer, 40; Wilson's Snipe, 3; Mourning Dove, 157; Belted Kingfisher, 7; Yellow-shafted Flicker, 20; Pileated Woodpecker, 11; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 32; Eastern Phoebe, 8; Horned Lark, 12; Blue Jay, 162; Am. Crow, 495; Fish Crow, 4; Carolina Chickadee, 119; Tufted Titmouse, 67; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 5; Carolina Wren, 73; Mockingbird, 80; Am. Robin, 915; Hermit Thrush, 4; Eastern Bluebird, 88; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 4; Cedar Waxwing, 16; Loggerhead Shrike, 4; Common Starling, 2343; Myrtle Warbler, 43; House Sparrow, 22; Eastern Meadowlark, 48; Cardinal, 210; Evening Grosbeak, 23; Purple Finch, 57; Pine Siskin, 66; Am. Goldfinch, 178; Savannah Sparrow, 3; Slate-colored Junco, 245; Am. Tree Sparrow, 43; Field Sparrow, 79; White-crowned Sparrow, 1; White-throated Sparrow, 182; Swamp Sparrow, 21; Song Sparrow, 117. **Total,** 65 species; about 6168 individuals.—Mrs. C. O. Gregory, Kenneth Lawless, Robert S. Merkel, Charles E. Stevens (compiler).

180. Chincoteague National Wildlife Refuge, Va. (same area as last 3 years; open farmland 5%, pine and mixed woodlands 25%, low pine and myrtle 15%, fresh-water marshes and impoundments 15%, salt marshes 10%, sheltered bays 15%, dunes 3%, mud and sand flats 7%, ocean beach 5%).—Dec. 27; 5:30 a.m. to 6:30 p.m. Clear; temp. 40° to 52°; wind WNW, 2-10 m.p.h.; ground bare, water open. Eight observers in 4-6 parties. Total party-hours, 47 (40 on foot, 3 by car, 4 by motorboat); total party-miles, 106 (33 on foot, 60 by car, 13 by boat). Common Loon, 69; Red-throated Loon, 53; Horned Grebe, 717; Pied-billed Grebe, 7; Gannet, 9; Great Blue Heron, 45; Am. Egret, 2; **Green Heron, 1** (J.T.); Black-crowned Night Heron, 10; Whistling Swan, 6; Canada Goose, 232; Am. Brant, 4400; Snow Goose, 40; Mallard, 254; Black Duck, 4500; Gadwall, 550; Am. Widgeon, 2200; Pintail, 1050; Green-winged Teal, 330; Shoveller, 450; Redhead, 2; Ring-necked Duck, 12; Greater Scaup, 2; Am. Golden-eye, 104; Buffle-head, 99; Old-squaw, 88; White-winged Scoter, 11; Surf Scoter, 404; Am. Scoter, 104; Ruddy Duck, 125; Hooded Merganser, 21; Red-breasted Merganser, 37; Turkey Vulture, 101; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; **Rough-legged Hawk, 1** (G.P., H.S., C.C.S.); Bald Eagle, 1; Marsh Hawk, 18; **Pigeon Hawk, 1** (W.N., J.W.); Sparrow Hawk, 17; Bob-white, 3; Clapper Rail, 14; Virginia Rail, **28** (J.T.); Am. Coot, 4; Killdeer, 13; Black-bellied Plover, 352; **Ruddy Turnstone, 5**; Wilson's Snipe, 16; Greater Yellow-legs, 7; Lesser Yellow-legs, 3; Red-backed Sandpiper, 3308; **dowitcher (sp.), 7**; Semipalmated Sandpiper, 35; Western Sandpiper, 5; **Marbled Godwit, 2** (P.A.D., W.N., J.T., J.W.); Sanderling, 380; Great Black-backed Gull, 15; Herring Gull, 675; Ring-billed Gull, 134; Bonaparte's Gull, 13; **Royal Tern, 1**; Mourning Dove, 125; Horned Owl, 4; Short-eared Owl, 2; Belted Kingfisher, 13; Yellow-shafted Flicker, 42; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 19; Horned Lark, 21; Tree Swallow, 124; Blue Jay, 1; Am. Crow, **11,000**; Fish Crow, 500; Carolina Chickadee, 13; Tufted Titmouse, 5; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 32; Brown Creeper, 6; House Wren, 2; Winter Wren, 2; Carolina Wren, 23; Long-billed Marsh Wren, 17; Short-billed Marsh Wren, 2; Mockingbird, 11; Catbird, 5; Brown Thrasher, 11; Am. Robin, 1; Hermit Thrush, 5; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 1; Common Starling, 900; Myrtle Warbler, 1176; Palm Warbler, 7; Common Yellowthroat, 1; House Sparrow, 19; Eastern Meadowlark, 184; Red-winged Blackbird, 1704; Boat-tailed Grackle, 83; Brown-headed Cowbird, 325; Cardinal, 89; Am. Goldfinch, 94; Eastern Towhee, 19; Ipswich Sparrow, 1; Savannah Sparrow, 20; Sharp-tailed Sparrow, 1; Am. Tree Sparrow, 15; Chipping Sparrow, 2; Field Sparrow, 56; White-throated Sparrow, 304; Fox Sparrow, 3; Swamp Sparrow, 110; Song Sparrow, 188. **Total,** 116 species; about 38,433 individuals.—P. A. DuMont, William Noble, Gertrude Prior, F. R. Scott (compiler), C. C. Steirly, Harriet Sutton, John Terborgh, John Weske.

181. Fort Belvoir, Va. (same area as previous year with addition of Indian Head, Md.; tidal water 30%, deciduous woods 25%, pine woods 10%, pasture 10%, open fields 10%, town suburbs 10%, cattail marsh 5%).—Dec. 22; 6:30 a.m. to 5 p.m. Few fleeting clouds; temp. 37° to 56°; no wind; ground bare, water ice-free. Twenty-seven observers in 7 parties. Total party-hours, 71 (55 on foot, 16 by car); total party-miles, 198 (55 on foot, 143 by car). Common Loon, 1; Horned Grebe, 2; Great Blue Heron, 13; Canada Goose, 140; Mallard, 22; Black Duck, 201; Redhead, 1; Greater Scaup, **1200**; Lesser Scaup, 1; Buffle-head, 15; Ruddy Duck, **4546**; Am. Merganser, 37; Turkey Vulture, 33; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 21; Red-shouldered Hawk, 9; Bald Eagle, 6; Marsh Hawk, 2; Sparrow Hawk, 7; Bob-white, 70; Killdeer, 129; Herring Gull, 203; Ring-billed Gull, 386; Mourning Dove, 195; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 79; Pileated Woodpecker, 4; Red-bellied Woodpecker, 69; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 7; Downy Woodpecker, 58; Eastern Phoebe, 2; Horned Lark, 7 (Prairie); Blue Jay, 113; Am. Crow, 676; Fish Crow, 1; Black-capped Chickadee, 27; Carolina Chickadee, 177; Tufted Titmouse, 133; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 23; Brown Creeper, 13; Winter Wren, 5; Carolina Wren, 153; Long-billed Marsh Wren, 1; Mockingbird, 116; Am. Robin, 173; Hermit Thrush, 3; Eastern Bluebird, 143; Golden-crowned Kinglet, 37; Ruby-crowned Kinglet, 7; Cedar Waxwing, 39; Loggerhead Shrike, 1; Common Starling, 1060; Myrtle Warbler, 49; House Sparrow, 188; Eastern Meadowlark, 188; Red-winged Blackbird, 965; Rusty Blackbird, 140; Cardinal, 213; Evening Grosbeak, 41; Purple Finch, 64; Pine Siskin, 20; Am. Goldfinch, 453; Eastern Towhee, 6; Savannah Sparrow, 3; Slate-colored Junco, 962; Am. Tree Sparrow, 58; Field Sparrow, 127; White-crowned Sparrow, 17 **(Gambel's, 2**; present since Nov. 20, 1 of 4 collected Jan. 5, specimen now in Smithsonian Institution); White-throated Sparrow, 245; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 193. **Total,** 77 species (1 additional subspecies); about 14,360 individuals. (Seen in area count period: Turkey.)—J. M. Abbott (compiler), Louise Berry, Dr. and Mrs. E. G. Davis, Charles Dillon, P. A. Dumont, Morgan Gilbert, George Golding, Ed Hayward, Adam Hubbel, Dr. and Mrs. Dan Keeney, Don Lamm, Gordon Meade, J. Mercereau, Mr. and Mrs. James Moran, Lois Morgan, Ralph Shreiber, Harriet Sutton, Mr. and Mrs. R. P. Teele, Joe Turner.

182. Glade Spring, Va. (same area as last year; farmland and pastures 35%, deciduous woods 35%, mixed pine and deciduous woods 14%, riverbottoms 14%, marsh and ponds 2%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Clear; temp. 25° to 45°; wind SW, 0-5 m.p.h. Three observers in 1 party. Total party-

hours, 10 (6 on foot, 4 by car); total party-miles, 65 (5 on foot, 60 by car). Mallard, 35; Black Duck, 2; Lesser Scaup, 1; Ruddy Duck, 2; Turkey Vulture, 22; Black Vulture, 2; Red-tailed Hawk, 2; Sparrow Hawk, 2; Am. Coot, 4; Killdeer, 113; Mourning Dove, 58; Belted Kingfisher, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 7; Blue Jay, 36; Am. Crow, 55; Carolina Chickadee, 12; Tufted Titmouse, 5; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 2; Mockingbird, 17; Am. Robin, 21; Eastern Bluebird, 15; Golden-crowned Kinglet, 6; Common Starling, 6000; House Sparrow, 20; Eastern Meadowlark, 6; Purple Grackle, 400; Cardinal, 20; Am. Goldfinch, 47; Eastern Towhee, 3; Slate-colored Junco, 22; Field Sparrow, 25; White-crowned Sparrow, 15; White-throated Sparrow, 2; Song Sparrow, 13. **Total,** 40 species; about 7008 individuals. (Seen count period: Cooper's Hawk, Brown-headed Cowbird.)—Mrs. Carleton Abbott, P. S. Dulaney (compiler), Walter Lamie.

183. Hopewell, Va. (Presquile National Wildlife Refuge and vicinity; same area and habitat percentages as last 3 years).—Dec. 29; 6:45 a.m. to 4:30 p.m. Clear; temp. 38° to 48°; wind WNW, 2-10 m.p.h.; ground bare, water open. Three observers in 3 parties. Total party-hours, 28 (20 on foot, 2 by car, 6 by boat); total party-miles, 97 (17 on foot, 70 by car, 10 by boat). Pied-billed Grebe, 1; Great Blue Heron, 29; Canada Goose, 4000; Blue Goose, 10; Mallard, 454; Black Duck, 212; Am. Widgeon, 108; Pintail, 110; Green-winged Teal, 38; Wood Duck, 18; Ring-necked Duck, 4; Lesser Scaup, 2; Ruddy Duck, 94; Am. Merganser, 65; Turkey Vulture, 19; Black Vulture, 13; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 5; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 22; Killdeer, 32; Wilson's Snipe, 8; Herring Gull, 13; Ring-billed Gull, 1000; Mourning Dove, 527; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 28; Pileated Woodpecker, 8; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 9; Eastern Phoebe, 6; Horned Lark, 1; Blue Jay, 8; Am. Crow, 173; Carolina Chickadee, 57; Tufted Titmouse, 21; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 6; Brown Creeper, 8; House Wren, 1; Winter Wren, 8; Carolina Wren, 90; Mockingbird, 31; Brown Thrasher, 2; Am. Robin, 77; Hermit Thrush, 6; Eastern Bluebird, 41; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 6; Cedar Waxwing, 22; Loggerhead Shrike, 5; Common Starling, 322; Myrtle Warbler, 61; Pine Warbler, 3; House Sparrow, 110; Eastern Meadowlark, 413; Red-winged Blackbird, 251; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 120; **Evening Grosbeak,** 7 (F.R.S., C.E.S.); Purple Finch, 51; Am. Goldfinch, 56; Eastern Towhee, 6; Savannah Sparrow, 6; Slate-colored Junco, 162; Field Sparrow, 93; White-throated Sparrow, 247; Fox Sparrow, 2; Swamp Sparrow, 18; Song Sparrow, 79. **Total,** 76 species; about 9476 individuals.—F. R. Scott (compiler), C. E. Stevens, J. R. Walther.

184. Lexington, Va. (same territory as in recent years; open pasture 30%, oak woods 25%, cedar woods 25%, scrub growth 20%).—Dec. 24; 7 a.m. to 5 p.m. Overcast; temp. 38° to 40°; no wind a.m., 15 m.p.h. p.m. Eight observers in 3 parties. Total party-hours, 30 (27 on foot, 3 by car); total party-miles, 42 (20 on foot, 22 by car). Pied-billed Grebe, 2; Great Blue Heron, 3; Mallard, 14; Turkey Vulture, 41; Black Vulture, 19; Red-tailed Hawk, 2; Sparrow Hawk, 2; Bob-white, 8; Killdeer, 12; Wilson's Snipe, 4; Mourning Dove, 25; Screech Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Pileated Woodpecker, 10; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 14; Eastern Phoebe, 6; Horned Lark, 28; Blue Jay, 140; Am. Crow, 411; Carolina Chickadee, 39; Tufted Titmouse, 24; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 34; Mockingbird, 38; Am. Robin, 179; Eastern Bluebird, 39; Golden-crowned Kinglet, 4; Cedar Waxwing, 5; Loggerhead Shrike, 6; Common Starling, 903; Myrtle Warbler, 8; House Sparrow, 252; Eastern Meadowlark, 44; Cardinal, 92; Purple Finch, 30; Am. Goldfinch, 57; Slate-colored Junco, 220; Am. Tree Sparrow, 30; Field Sparrow, 6; White-crowned Sparrow, 22; White-throated Sparrow, 72; Song Sparrow, 57. **Total,** 48 species; about 2943 individuals.—Robert P. Carroll, Robert Carroll, Jr., David Foster, J. J. Murray (compiler), Mr. and Mrs. J. J. Murray, Jr., Robert O. Paxton, Joshua Womeldorf.

185. Little Creek, Va. (7½-mile radius centering 1½ miles NE of Kempsville, including Lynnhaven Inlet, Little Creek, eastern portion of Norfolk City, Stumpy Lake; open farmland 25%, pine woodland 10%, deciduous woodland 50%, salt marsh, sand beach, bay rivers 10%, city suburbs 5%).—Dec. 26; 5:30 a.m. to 6 p.m. Rain morning, clearing late afternoon; temp. 61° to 50°; wind S to W, 10-46 m.p.h.; ground bare, water open. Nine observers in 4 parties. Total party-hours, 43 (11 on foot, 32 by car); total party-miles, 590 (14 on foot, 576 by car). Common Loon, 6; Red-throated Loon, 5; Horned Grebe, 128; Pied-billed Grebe, 28; Gannet, 51; Double-crested Cormorant, 2; Great Blue Heron, 18; Am. Egret, 1; Black-crowned Night Heron, 1; Canada Goose, 37; Mallard, 32; Black Duck, 79; Pintail, 28; Green-winged Teal, 25; Ring-necked Duck, 16; Canvas-back, 19; Greater Scaup, 1; Lesser Scaup, 75; Am. Golden-eye, 71; Buffle-head, 22; Old-squaw, 2; **Common Eider,** 1 (P.W.S., H.H.); White-winged Scoter, 2; Surf Scoter, 70; Am. Scoter, 8; Ruddy Duck, 20; Hooded Merganser, 8; Am. Merganser, 3; Red-breasted Merganser, 6692; Turkey Vulture, 16; Black Vulture, 6; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 12; Bald Eagle, 4; Marsh Hawk, 5; Peregrine Falcon, 1; Sparrow Hawk, 43; Bob-white, 33; Clapper Rail, 15; Am. Coot, 9; Killdeer, 362; Black-bellied Plover, 3; Wilson's Snipe, 25; **Purple Sandpiper,** 3 (P.W.S., H.H.); Red-backed Sandpiper, 19; Sanderling, 68; Great Black-backed Gull, 52; Herring Gull, 1952; Ring-billed Gull, 6158;

Laughing Gull, 2; Bonaparte's Gull, 41; Forster's Tern, 30; **Common Tern, 1** (R.H.P.); **Royal Tern,** 2; Mourning Dove, 232; Barred Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 43; Pileated Woodpecker, 6; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 23; **Ash-throated Flycatcher, 1** (all field marks at 20 ft.—W.F.R., F.C.R.); Eastern Phoebe, 5; Blue Jay, 9; Am. Crow, 532; Fish Crow, 89; Carolina Chickadee, 49; Tufted Titmouse, 53; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 50; Brown Creeper, 3; House Wren, 4; Winter Wren, 4; Carolina Wren, 56; Mockingbird, 62; Catbird, 1; Brown Thrasher, 6; Am. Robin, 59; Eastern Bluebird, 73; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 12; Water Pipit, 10; Cedar Waxwing, 11; Loggerhead Shrike, 4; Common Starling, 1712; Myrtle Warbler, 433; Pine Warbler, 11; Palm Warbler, 12; House Sparrow, 265; Eastern Meadowlark, 688; Red-winged Blackbird, 22,707; Purple Grackle, 205; Brown-headed Cowbird, 86; Cardinal, 134; Pine Siskin, 3; Am. Goldfinch, 236; Eastern Towhee, 39; Ipswich Sparrow, 3; Savannah Sparrow, 20; Sharp-tailed Sparrow, 7; Slate-colored Junco, 282; Am. Tree Sparrow, 1; Chipping Sparrow, 15; Field Sparrow, 294; White-throated Sparrow, 340; Fox Sparrow, 14; **Lincoln's Sparrow, 1** (R.H.P., M.T.G.); Swamp Sparrow, 63; Song Sparrow, 96; **Lapland Longspur, 1** (R.H.P.). **Total,** 114 species; about 45,452 individuals. [Careful satisfactory details submitted for all unusual observations—Ed.]—William Efird, M. T. Griffin, Henry Hespenheide, R. H. Peake, Jr., P. W. Sykes, Jr. (compiler), F. C. Richardson, W. F. Rountrey, Edward Webster, Jr., J. R. Withrow.

186. **Mount Rogers, Va.** (Smyth and Grayson Counties; from Elk Gardens at 4500 ft. along logging road and trail to top of Mt. Rogers at 5719 ft., Cabin Ridge at 5100 ft. and Wilburn Ridge at 5400 ft.; return from Cabin Ridge part of the way through pastureland down to 4800 ft.; deciduous woodland 50%, spruce and balsam 25%, grassy area and extensive brier patch 25%).—Dec. 27; 6:45 a.m. to 5 p.m. Cloudless morning, cirrus overcast and haze p.m.; temp. 21° to 48°; wind NW to E to SW, 5-12 m.p.h.; 1-4-in. freshly fallen snow. One observer. Total hours, 10¼ (all on foot); total miles, 8 (all on foot). Sharp-shinned Hawk, 1; Ruffed Grouse, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 1; Blue Jay, 8; Common Raven, 2; Am. Crow, 11; Carolina Chickadee, 3; Tufted Titmouse, 12; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 13; Am. Robin, 33; Common Starling, 6; **Evening Grosbeak, 96+**; **Pine Siskin,** 6; **Red Crossbill, 1**; Slate-colored Junco, 8. **Total,** 18 species; more than 217 individuals.—Fred W. Behrend. [On Dec. 23 Paul S. Dulaney took a count in essentially the same area. He spent 9 hours in the field, covered 10 miles on foot, and recorded 15 species, 106 individuals. One each of Eastern Bluebird, Am. Goldfinch and Song Sparrow represent the species not recorded on the preceding Mount Rogers count.—Ed.]

187. **Nansemond River, Va.** (7½-mile radius centering 1½ miles NE of Drivers, including Craney Island disposal area, Nansemond River, Chuckatuck Creek, Chuckatuck, Drivers; open farmland 30%, pine woodland 10%, deciduous woodland 20%, marsh, beach, rivers, bay 40%).—Dec. 30; 7 a.m. to 5 p.m. Party cloudy; temp. 41° to 48°; wind NE, 5-13 m.p.h.; ground bare, water open. Eight observers in 4 parties. Total party-hours, 27 (17 on foot, 10 by car); total party-miles, 243 (12 on foot, 231 by car). Common Loon, 4; Red-throated Loon, 2; Horned Grebe, 319; Pied-billed Grebe, 6; Double-crested Cormorant, 3; Great Blue Heron, 10; Canada Goose, 1031; Mallard, 13; Black Duck, 198; Gadwall, 69; Am. Widgeon, 851; Pintail, 50; Green-winged Teal, 27; Redhead, 20; Ring-necked Duck, 152; Canvas-back, 3700; Greater Scaup, 607; Lesser Scaup, 263; Am. Golden-eye, 323; Bufflehead, 734; Old-squaw, 3; Surf Scoter, 14; Ruddy Duck, 355; Hooded Merganser, 4; Red-breasted Merganser, 2500; Turkey Vulture, 112; Black Vulture, 21; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 28; Bob-white, 27; Clapper Rail, 4; Am. Coot, 500; **Piping Plover, 1** (J.E.A., W.F.R.); Killdeer, 138; Black-bellied Plover, 5; Wilson's Snipe, 4; **Spotted Sandpiper, 2** (M.T.G., P.W.S.); Red-backed Sandpiper, 16; **Western Sandpiper, 2** (J.E.A., W.F.R.); Sanderling, 79; Great Black-backed Gull, 21; Herring Gull, 6874; Ring-billed Gull, 2625; Laughing Gull, 6; Bonaparte's Gull, 280; Forster's Tern, 72; **Royal Tern, 1** (P.W.S.); **Black Skimmer, 16** (J.E.A., W.F.R.); Mourning Dove, 158; Belted Kingfisher, 9; Yellow-shafted Flicker, 29; Pileated Woodpecker, 2; Red-bellied Woodpecker, 23; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 17; Eastern Phoebe, 5; Blue Jay, 34; Am. Crow, 294; Fish Crow, 69; Carolina Chickadee, 17; Tufted Titmouse, 55; White-breasted Nuthatch, 7; Brown Creeper, 4; House Wren, 6; Winter Wren, 2; Carolina Wren, 64; Mockingbird, 60; Catbird, 1; Brown Thrasher, 4; Am. Robin, 121; Hermit Thrush, 1; Eastern Bluebird, 25; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 6; Water Pipit, 156; Cedar Waxwing, 4; Loggerhead Shrike, 10; Common Starling, 811; Myrtle Warbler, 260; Pine Warbler, 2; Common Yellowthroat, 1; House Sparrow, 325; Eastern Meadowlark, 314; Red-winged Blackbird, 1607; Rusty Blackbird, 9; Brown-headed Cowbird, 601; Cardinal, 144; **Evening Grosbeak, 5** (P.S.D.); Purple Finch, 30; Pine Siskin, 1; Am. Goldfinch, 531; Eastern Towhee, 60; Savannah Sparrow, 262; Sharp-tailed Sparrow, 1; Slate-colored Junco, 296; Chipping Sparrow, 1; Field Sparrow, 256; White-throated Sparrow, 695; Fox Sparrow, 27; Swamp Sparrow, 51; Song Sparrow, 105; **Snow Bunting, 4** (W.F.R.). **Total,** 107 species; about 29,733 individuals.—J. E. Ames, P. S. Dulaney, Henry Hespenheide, M. T. Griffin, R. H. Peake, Jr., W. F. Rountrey, P. W. Sykes, Jr. (compiler), Edward Webster, Jr.

188. Newport News, Va. (7½-mile radius bounded by Chesapeake Bay, Hampton Roads, James River, Grafton; woodland 30%, open fields 30%, fresh-water ponds 10%, waterfront 30%).—Dec. 28; 7 a.m. to 4 p.m. Partly cloudy; temp. 40° to 60°; wind SE, 5-15 m.p.h.; ground bare, water open. Twenty-three observers in 7 parties. Total party-hours, 60 (40 on foot, 20 by car); total party-miles, 335 (47 on foot, 288 by car). Common Loon, 19; Red-throated Loon, 2; Red-necked Grebe, 1; Horned Grebe, 134; Pied-billed Grebe, 25; Gannet, 50; Double-crested Cormorant, 15; Great Blue Heron, 8; **Snowy Egret, 1**; **Yellow-crowned Night Heron, 1**; Canada Goose, 30; Mallard, 36; Black Duck, 27; Gadwall, 2; Am. Widgeon, 880; Green-winged Teal, 4; Redhead, 3; Ring-necked Duck, 5; Canvas-back, 1; Lesser Scaup, 38; Am. Golden-eye, 64; Bufflehead, 79; Old-squaw, 4; Surf Scoter, 112; Am. Scoter, 5; Ruddy Duck, 135; Am. Merganser, 26; Red-breasted Merganser, 73; Turkey Vulture, 10; Black Vulture, 5; Sharp-shinned Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Pigeon Hawk, 1; Sparrow Hawk, 26; Bob-white, 18; Clapper Rail, 4; **Sora, 2**; Am. Coot, 1; Killdeer, 47; Black-bellied Plover, 5; Wilson's Snipe, 20; Red-backed Sandpiper, 131; Semipalmated Sandpiper, 2; Sanderling, 35; Great Black-backed Gull, 16; Herring Gull, 1056; Ring-billed Gull, 253; Laughing Gull, 10; Bonaparte's Gull, 34; **Forster's Tern, 30**; Mourning Dove, 6; Belted Kingfisher, 11; Yellow-shafted Flicker, 22; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 16; Eastern Phoebe, 1; Tree Swallow, 5; Blue Jay, 3; Am. Crow, 122; Fish Crow, 5; Carolina Chickadee, 70; Tufted Titmouse, 40; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 5; Brown Creeper, 7; House Wren, 1; Winter Wren, 1; Carolina Wren, 81; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 3; Mockingbird, 126; Brown Thrasher, 7; Am. Robin, 205; Hermit Thrush, 4; Eastern Bluebird, 92; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 3; Cedar Waxwing, 1; Loggerhead Shrike, 1; Common Starling, 1760; Myrtle Warbler, 375; Pine Warbler, 8; House Sparrow, 521; Eastern Meadowlark, 210; Red-winged Blackbird, 366; **Baltimore Oriole, 2**; Purple Grackle, 25; Brown-headed Cowbird, 8; Cardinal, 77; Pine Siskin, 18; Am. Goldfinch, 219; Eastern Towhee, 25; Ipswich Sparrow, 1; Savannah Sparrow, 12; Seaside Sparrow, 1; Slate-colored Junco, 421; Field Sparrow, 62; White-throated Sparrow, 309; Fox Sparrow, 50; Swamp Sparrow, 3; Song Sparrow, 100; Snow Bunting, 50. **Total,** 107 species; about 8994 individuals.—Alice Chapin, Margaret Clark, P. H. Clark, Georgianna Cumming, Jimmy Dearing, Jacoba Van Eys, John Grey, C. W. Hacker, M. E. Hathaway, Emmy Lou Machen, S. Mitchell, E. R. Neubaum, N. Pope, Mr. and Mrs. C. Saunders, Mike Serig, Doris Smith, W. P. Smith (compiler), Walt Smith, Timmy Sniffen, Mary Alice Talbott, John D. Williams, Jay Williams.

189. Norfolk County, Va. (7½-mile radius centering about 6½ miles NE of Wallaceton, including eastern edge of Dismal Swamp, western part of Northwest River, Great Bridge, Butts Station, Fentress, Deep Creek; open farmland 30%, wooded swampland 24%, mixed woodland 30%, deciduous woodland 5%, pine woodland 10%, marsh 1%).—Jan. 1; 6 a.m. to 5 p.m. Rainy; temp. 44° to 47°; wind SW, 0-12 m.p.h.; ground bare, water open. Ten observers in 4 parties. Total party-hours, 32 (16 on foot, 16 by car); total party-miles, 266 (14 on foot, 252 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Am. Bittern, 1; Canada Goose, 15; Mallard, 5; Black Duck, 345; Wood Duck, 4; Turkey Vulture, 1; Black Vulture, 14; Red-tailed Hawk, 8; Red-shouldered Hawk, 20; Bald Eagle, 2; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 37; Bob-white, 91; Clapper Rail, 1; Killdeer, 264; **Am. Woodcock, 2**; Wilson's Snipe, 9; Herring Gull, 8; Ring-billed Gull, 246; Mourning Dove, 156; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 108; Pileated Woodpecker, 17; Red-bellied Woodpecker, 30; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 12; Downy Woodpecker, 90; Eastern Phoebe, 9; Blue Jay, 42; Am. Crow, 979; Fish Crow, 496; Carolina Chickadee, 141; Tufted Titmouse, 110; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 5; Brown Creeper, 8; House Wren, 10; Winter Wren, 6; Carolina Wren, 154; Mockingbird, 74; Catbird, 24; Brown Thrasher, 14; Am. Robin, 6168; Hermit Thrush, 9; Eastern Bluebird, 79; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 18; Water Pipit, 1; Cedar Waxwing, 31; Loggerhead Shrike, 2; Common Starling, 50,000; Myrtle Warbler, 1175; Pine Warbler, 24; Palm Warbler, 4; Common Yellowthroat, 1; House Sparrow, 121; Eastern Meadowlark, 346; Red-winged Blackbird, **8,000,000**; Rusty Blackbird, 182; Purple Grackle, **2,000,000**; Brown-headed Cowbird, 100,000; Cardinal, 381; Purple Finch, 23; Pine Siskin, 7; Am. Goldfinch, 1315; Eastern Towhee, 234; Savannah Sparrow, 110; Slate-colored Junco, 647; Am. Tree Sparrow, 5; Chipping Sparrow, 80; Field Sparrow, 186; White-throated Sparrow, 4038; Fox Sparrow, 72; **Lincoln's Sparrow, 3** (R.H.P.); Swamp Sparrow, 232; Song Sparrow, 298. **Total,** 81 species; about 10,169,396 individuals. The large blackbird counts were made as the birds went to roost in the Dismal Swamp. For more than an hour the flight was a continuous stream. At the peak of the flight 5 streams of birds practically covered the sky as far as the naked eye could see.—Dr. and Mrs. W. G. Akers, P. S. Dulaney, Anna Grimm, Gisela Grimm, Henry Hespenheide, R. H. Peake, Jr., W. F. Rountrey, P. W. Sykes, Jr. (compiler), Edward Webster.

190. Rockingham County, Va. (within 7½-mile radius from Ottobine, elevation 1160 to 3200 ft.; lake, town, riverbottoms, open farmland, farm woodlots, mixed Appalachian conifers and hardwoods).—Dec. 27; 8 a.m. to 5 p.m. Mostly sunny; temp. 26° to 46°; wind S, 2-4 m.p.h. Five observers in 2 parties. Total party-hours, 16 (11 on foot, 5 by car);

total party-miles, 75 (15 on foot, 60 by car). Pied-billed Grebe, 1; Mallard, 86; Black Duck, 1; Gadwall, 17; Am. Widgeon, 70; Pintail, 3; Ring-necked Duck, 2; Turkey Vulture, 31; Black Vulture, 3; Red-tailed Hawk, 1; Sparrow Hawk, 4; Bob-white, 72; Am. Coot, 18; Wilson's Snipe, 1; Mourning Dove, 140; Screech Owl, 2; Belted Kingfisher, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 2; Horned Lark, 4; Blue Jay, 8; Common Raven, 4; Am. Crow, 31; Fish Crow, 2; Black-capped Chickadee, 39; Tufted Titmouse, 10; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 4; Carolina Wren, 5; Mockingbird, 13; Hermit Thrush, 1; Golden-crowned Kinglet, 1; Water Pipit, 1; Loggerhead Shrike, 3; Common Starling, 226; House Sparrow, 86; Eastern Meadowlark, 25; Cardinal, 38; Pine Siskin, 33; Am. Goldfinch, 21; Slate-colored Junco, 24; White-crowned Sparrow, 33; White-throated Sparrow, 6; Song Sparrow, 10. **Total,** 46 species; about 1097 individuals.—Robert Burns, Max Carpenter (compiler), Hollen Helbert, Harry Jopson, Leon Powell.

191. **Sweet Briar, Va.** (Sweet Briar campus and adjacent country, radius of 1½ miles; open fields 35%, scrub 25%, brushy creekbottoms 25%, mixed woodlands 10%, lake edges 5%).—Jan. 1; 7:45 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind NW, 5-15 m.p.h.; ground bare, ponds unfrozen. Four observers in 1-2 parties. Total party-hours, 11 (10½ on foot, ½ by car); total party-miles, 17 (10 on foot, 7 by car). Turkey Vulture, 5; Black Vulture, 2; Wilson's Snipe, 1; Mourning Dove, 21; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 4; Eastern Phoebe, 2; Blue Jay, 5; Am. Crow, 100; Carolina Chickadee, 12; Tufted Titmouse, 10; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 9; Mockingbird, 16; Brown Thrasher, 1; Am. Robin, 28; Eastern Bluebird, 13; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Water Pipit, 29; Common Starling, 200; Myrtle Warbler, 5; House Sparrow, 160; Eastern Meadowlark, 1; Cardinal, 44; Purple Finch, 1; Am. Goldfinch, 16; Eastern Towhee, 2; Slate-colored Junco, 43; Field Sparrow, 10; White-crowned Sparrow, 76; White-throated Sparrow, 43; Song Sparrow, 6. **Total,** 39 species; about 886 individuals. (Seen count period: Great Blue Heron, Sparrow Hawk.)—Jeanette Boone, Florence Hague, Rod MacPherson, Gertrude Prior (compiler).

192. **Warren, Va.** (same area as last year; open farmland 40%, riverbottom 35%, deciduous woods 15%, pine woods 5%, ponds 5%).—Dec. 21; 6:50 a.m. to 5:05 p.m. Clear; temp. 32° to 65°; wind W, 5-25 m.p.h. Two observers in 2 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 93 (23 on foot, 70 by car). Horned Grebe, 6; Pied-billed Grebe, 3; Mallard, 135; Black Duck, 58; Am. Widgeon, 31; Pintail, 4; Green-winged Teal, 17; Lesser Scaup, 6; Buffle-head, 6; Ruddy Duck, 4; Hooded Merganser, 2; Turkey Vulture, 61; Black Vulture, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 2; Bob-white, 11; Killdeer, 52; Wilson's Snipe, 29; Mourning Dove, 43; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Eastern Phoebe, 7; Horned Lark, 29; Blue Jay, 40; Am. Crow, 410; Carolina Chickadee, 77; Tufted Titmouse, 18; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 64; Mockingbird, 48; Am. Robin, 177; Hermit Thrush, 2; Eastern Bluebird, 82; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 6; Water Pipit, 1; Cedar Waxwing, 15; Loggerhead Shrike, 6; Common Starling, 168; Myrtle Warbler, 51; House Sparrow, 47; Eastern Meadowlark, 184; Rusty Blackbird, 1; Brown-headed Cowbird, 40; Cardinal, 65; Purple Finch, 24; Pine Siskin, 2; Am. Goldfinch, 113; Savannah Sparrow, 3; Slate-colored Junco, 225; Am. Tree Sparrow, 1; Field Sparrow, 43; White-crowned Sparrow, 18; White-throated Sparrow, 61; Swamp Sparrow, 11; Song Sparrow, 64. **Total,** 66 species; about 2665 individuals.—Kenneth Lawless, Charles E. Stevens (compiler).

193. **Beech Mountain, N. C.** (Avery and Watauga Cos., from 4475 ft. on mountain road and trail to Snow Mountain and Pinnacle at 5520 ft., shortcut to Field, west end to east end at 5000-5100 ft. and north and south slopes, returning on road to 4475 ft.).—Jan. 1; 7:15 a.m. to 4:45 p.m. Partly cloudy early a.m., fog and snow flurries from mid-morning; temp. 11° to 22°; wind NW, 10-18 m.p.h.; up to 1-in. snow, trees above 5000 ft. heavily coated with frost. One observer. Total hours, 9½ (all on foot); total miles, 9 (all on foot). Hairy Woodpecker, 3; Downy Woodpecker, 1; Blue Jay, 2; Am. Crow, 1; Carolina Chickadee, 2; Tufted Titmouse, 13; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Cardinal, 2 (at 5025 ft.!); Slate-colored Junco, 6. **Total,** 10 species; 35 individuals.—Fred W. Behrend.

194. **Chapel Hill, N. C.** (same area as last year).—Dec. 22; 5:30 a.m. to 5:30 p.m. Clear; temp. 30° to 55°; no wind; ground bare, water open. Nineteen observers in 16 parties. Total party-hours, 57 (48 on foot, 9 by car); total party-miles, 108 (35 on foot, 73 by car). Pied-billed Grebe, 4; Great Blue Heron, 5; Mallard, 15; Black Duck, 20; Wood Duck, 6; Ring-necked Duck, 38; Canvas-back, 3; Lesser Scaup, 12; Buffle-head, 1; Hooded Merganser, 30; Turkey Vulture, 46; Black Vulture, 17; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 23; Am. Coot, 30; Killdeer, 59; Herring Gull, 1; Mourning Dove, 108; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 8; Downy Woodpecker, 20; Eastern Phoebe, 19; Blue Jay, 42; Am. Crow, 99; Carolina

Chickadee, 100; Tufted Titmouse, 71; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 10; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 63; Mockingbird, 78; Brown Thrasher, 5; Am. Robin, 286; Hermit Thrush, 5; Eastern Bluebird, 157; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 12; Water Pipit, 40; Cedar Waxwing, 117; Loggerhead Shrike, 15; Common Starling, 280; Myrtle Warbler, 46; Pine Warbler, 22; House Sparrow, 55; Eastern Meadowlark, 269; Red-winged Blackbird, 1; Rusty Blackbird, 50; **Brewer's Blackbird, 800** (Mrs. H.W.W.—familiar with species in West); **Baltimore Oriole, 5** (at 3 feeders); Purple Grackle, 25; Brown-headed Cowbird, 57; Cardinal, 126; Purple Finch, 70; Pine Siskin, 25; Am. Goldfinch, 143; Eastern Towhee, 28; Slate-colored Junco, 610; **Am. Tree Sparrow, 6** (E.I., L.I.); Chipping Sparrow, 9; Field Sparrow, 67; **White-crowned Sparrow, 1** (C.H.B.); White-throated Sparrow, 506; Fox Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 139. **Total,** 77 species; about 5042 individuals.—Mrs. C. H. Blake, C. H. Blake (compiler), Roy M. Brown, F. H. Edmister, Mr. and Mrs. Logan Irvin, Mr. and Mrs. R. P. Kaighn, Oliver Orr, Mrs. W. D. Patterson, Bill Rowe, Phillips Russell, W. B. Sanders, Mr. and Mrs. R. B. Sharpe, Mr. and Mrs. M. L. Thompson, Mrs. H. W. Walters, Frances Yocom.

195. Charlotte, N. C. (area same as in past 15 years, centering at 7th St. and Briar Creek; development this fall removed all cover around Johnson Lake area).—Dec. 28; 6:45 a.m. to 4:45 p.m. Overcast all day; temp. 37° to 52°; wind SSE, 5 m.p.h.; water open. Twelve observers in 4 parties. Total party-hours, 27 (16 on foot, 11 by car); total party-miles, 125 (21 on foot, 104 by car). Pied-billed Grebe, 4; Great Blue Heron, 4; Am. Widgeon, 1; Ring-necked Duck, 1; Buffle-head, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Killdeer, 138; Wilson's Snipe, 3; Mourning Dove, 166; Belted Kingfisher, 3; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 13; Eastern Phoebe, 6; Horned Lark, 31; Blue Jay, 44; Am. Crow, 69; Carolina Chickadee, 32; Tufted Titmouse, 30; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 10; Brown Creeper, 1; Carolina Wren, 23; Mockingbird, 60; Brown Thrasher, 3; Am. Robin, 104; Hermit Thrush, 2; Eastern Bluebird, 123; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 11; Cedar Waxwing, 115; Loggerhead Shrike, 29; Common Starling, 260; Myrtle Warbler, 5; Pine Warbler, 9; House Sparrow, 65; Eastern Meadowlark, 292; Red-winged Blackbird, 48; Purple Grackle, 3; Cardinal, 74; Purple Finch, 20; Pine Siskin, 27; Am. Goldfinch, 613; Eastern Towhee, 16; Savannah Sparrow, 2; Slate-colored Junco, 431; Chipping Sparrow, 82; Field Sparrow, 82; White-throated Sparrow, 177; Fox Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 25. **Total,** 58 species; about 3315 individuals. (Seen in area count period: Turkey Vulture, Black Vulture, Bob-white, Screech Owl.)—B. R. Chamberlain (compiler), Mrs. B. R. Chamberlain, Norman A. Chamberlain, Mrs. W. G. Cobey, Jack H. Fehon, Mrs. Ray Ford, Louisa Hamilton, P. J. Hamilton, J. R. Norwood, Mrs. J. R. Norwood, Mrs. George C. Potter, Mrs. E. J. Presser (Mecklenburg Audubon Club).

196. Grandfather and Grandmother Mountains, N. C. (Avery County, Grandfather Mt. on road and trail from 4200-5400 ft., Grandmother Gap to Grandmother Mt. top 3800-4686 ft.; deciduous woodland 65%, spruce and balsam 30%, fields and pasture 5%).—Dec. 28; 7:30 a.m. to 3:30 p.m. Considerable cloudiness a.m., steady rain after 2:30 p.m.; temp. 32° to 43°; wind W, 3-10 m.p.h.; traces of snow from 4400 ft. upward. One observer. Total hours, 8 (6½ on foot, 1½ by car); total miles, 23 (5 on foot, 18 by car). Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Common Raven, 1; Am. Crow, 4; Carolina Chickadee, 7; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 9; Winter Wren, 3; Carolina Wren, 3; Am. Robin, 19; Eastern Bluebird, 1; Cedar Waxwing, 36; **Evening Grosbeak, 22**; **Purple Finch, 3**; **Pine Siskin, 163**; Eastern Towhee, 1; Slate-colored Junco, 14; Field Sparrow, 3; Song Sparrow, 1. **Total,** 22 species; 300 individuals.—Fred W. Behrend.

197. Greensboro, N. C. (7½-mile radius centering ½ mile SW of WBIG transmitter; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 25%, open fields 15%, marsh and wooded swamps 10%, parks and lawns 10%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Mostly cloudy, slight rain; temp. 36° to 50°; wind 0-10 m.p.h. Twenty-six observers in 13 parties. Total party-hours, 88 (45 on foot, 43 by car); total party-miles, 229 (43 on foot, 186 by car). Horned Grebe, 5; Pied-billed Grebe, 24; Great Blue Heron, 7; Mallard, 62; Black Duck, 5; Am. Widgeon, 16; Blue-winged Teal, 1; Wood Duck, 2; Ring-necked Duck, 230; Canvasback, 9; Lesser Scaup, 6; Am. Golden-eye, 1; Buffle-head, 22; Ruddy Duck, 4; Hooded Merganser, 2; Turkey Vulture, 7; Black Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 7; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 10; Am. Coot, 69; Killdeer, 91; Ring-billed Gull, 2; Mourning Dove, 160; Barn Owl, 1; Screech Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 68; Red-bellied Woodpecker, 41; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 19; Hairy Woodpecker, 7; Downy Woodpecker, 51; Eastern Phoebe, 18; Horned Lark, 124; Blue Jay, 179; Am. Crow, 202; Carolina Chickadee, 215; Tufted Titmouse, 172; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 20; Brown Creeper, 9; Winter Wren, 7; Carolina Wren, 134; Mockingbird, 165; Brown Thrasher, 3; Am. Robin, 64; Hermit Thrush, 6; Eastern Bluebird, 213; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 9; Water Pipit, 40; Cedar Waxwing, 98; Loggerhead Shrike, 34; Common Starling, 6744; Myrtle Warbler, 64; Pine Warbler,

20; House Sparrow, 576; Eastern Meadowlark, 300; Red-winged Blackbird, 186; Rusty Blackbird, 70; Brown-headed Cowbird, 25; Cardinal, 292; Purple Finch, 89; Pine Siskin, 54; Am. Goldfinch, 226; Eastern Towhee, 44; Savannah Sparrow, 4; Vesper Sparrow, 3; Slate-colored Junco, 842; Chipping Sparrow, 2; Field Sparrow, 533; White-throated Sparrow, 686; Fox Sparrow, 1; Swamp Sparrow, 53; Song Sparrow, 578. **Total,** 81 species; about 14,154 individuals.—Mrs. W. C. Carr, Inez Coldwell, Charlotte Dawley, Larry Crawford, Mrs. R. D. Douglas, Mrs. J. L. Hege, Sidney Holmes, James Mattocks, Mrs. Robert McCoy, Ethel McNairy, Mrs. Franklin McNutt, Mr. and Mrs. P. W. Melton, Ida Mitchell, Mr. and Mrs. George Perrett, Dr. and Mrs. C. I. Reed, Hollis Rogers, Etta Schiffman, Mrs. Edith Settan, Dr. and Mrs. A. D. Shaftesbury, George A. Smith (compiler), Thomas Street, Mrs. C. M. Swart.

198. **Jefferson, N. C.** (same area as in preceding years; 7½-mile radius centering near Todd P. O.).—Dec. 29; 7 a.m. to 5 p.m. Clear; temp. 25° to 45°; wind W to E, 4-5 m.p.h. Five observers in 3 parties. Total party-hours, 38 (24 on foot, 14 by car and jeep); total party-miles, 67 (18 on foot, 37 by car, 12 by jeep). **Pied-billed Grebe, 1**; Red-shouldered Hawk, 1; Belted Kingfisher, 3; **Pileated Woodpecker, 2**; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Eastern Phoebe, **12**; Blue Jay, **52**; Am. Crow, 125; Carolina Chickadee, 4; Tufted Titmouse, 3; **Red-breasted Nuthatch, 5**; **House Wren,** 3; Carolina Wren, **19**; Mockingbird, 3; Eastern Bluebird, 5; Common Starling, 6; House Sparrow, 5; Eastern Meadowlark, **3**; Cardinal, 43; **Pine Siskin,** 13; Am. Goldfinch, 14; Eastern Towhee, 4; Vesper Sparrow, 3; Slate-colored Junco, 78; Field Sparrow, 52; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, **48. Total,** 29 species; about 515 individuals. (Seen in area count period: Wood Duck, Bob-white, Am. Robin.)—Mrs. A. Burman Hurt (compiler), John R. Jackson, James Miller, J. Frank Randall, Wendell P. Smith.

199. **Mattamuskeet National Wildlife Refuge,** N. C. (same area as in previous counts, centering near Mattamuskeet Lodge, including most of Mattamuskeet Lake, surrounding marshes, woods, farmlands, portions of Swanquarter Refuge; fields and thickets 20%, pine woods and swamps 25%, fresh-water lake 40%, fresh marsh 5%, brackish-water bays 5%, brackish marsh 5%).—Dec. 29; 6:30 a.m. to 7:30 p.m. Clear to partly cloudy; temp. 45° to 62°; wind NW, 5-20 m.p.h.; ground bare, water open. Four observers in 2 parties. Total party-hours, 20 (7 on foot, 10 by car, 3 by boat); total party-miles, 124 (7 on foot, 97 by car, 20 by boat). Common Loon, 12; Horned Grebe, 18; Pied-billed Grebe, 25; Gannet, 4; Great Blue Heron, 20; Am. Egret, 84; Snowy Egret, 3; Black-crowned Night Heron, 15; Whistling Swan, 3500; Canada Goose, 60,000; Mallard, 10,000; Black Duck, 12,000; Gadwall, 3000; Am. Widgeon, 10,000; Pintail, 30,000; Green-winged Teal, 12,000; Shoveller, 2500; Ring-necked Duck, 4000; Canvas-back, 1500; Lesser Scaup, 10,000; Am. Golden-eye, 2; Buffle-head, 330; Old-squaw, 18; White-winged Scoter, 2; Surf Scoter, 70; Am. Scoter, 14; scoter (sp.), 250; Ruddy Duck, 15,000; Hooded Merganser, 2; Red-breasted Merganser, 16; Turkey Vulture, 25; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 10; Marsh Hawk, 11; Sparrow Hawk, 27; Bob-white, 20; Florida Gallinule, 1; Am. Coot, 9000; Killdeer, 7; Am. Woodcock, 5; Wilson's Snipe, 6; Greater Yellow-legs, 3; Least Sandpiper, 5; Red-backed Sandpiper, 12; **Great Black-backed Gull, 1**; Herring Gull, 30; Ring-billed Gull, 35; Royal Tern, 1; Mourning Dove, 65; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 5; Eastern Phoebe, 7; Am. Crow, 150; Fish Crow, 29; Carolina Chickadee, 12; Brown-headed Nuthatch, 9; House Wren, 3; Carolina Wren, 12; Long-billed Marsh Wren, 1; Mockingbird, 23; Catbird, 7; Brown Thrasher, 2; Am. Robin, 600; Eastern Bluebird, 10; Ruby-crowned Kinglet, 6; Water Pipit, 8; Cedar Waxwing, 8; Loggerhead Shrike, 2; Common Starling, 550; Orange-crowned Warbler, 1; Myrtle Warbler, 30; Pine Warbler, 1; Palm Warbler, 5; Common Yellowthroat, 1; House Sparrow, 80; Eastern Meadowlark, 70; Red-winged Blackbird, 20,000; Purple Grackle, 145; Brown-headed Cowbird, 2; Cardinal, 37; Am. Goldfinch, 75; Eastern Towhee, 8; Savannah Sparrow, 28; Sharp-tailed Sparrow, 2; Slate-colored Junco, 8; Field Sparrow, 17; White-throated Sparrow, 100; Fox Sparrow, 10; Swamp Sparrow, 4; Song Sparrow, 42. **Total,** 97 species; about 205,797 individuals. (Seen count period: Double-crested Cormorant, Am. Bittern, Snow Goose, Blue Goose, Redhead, Pileated Woodpecker, Hairy Woodpecker, Tufted Titmouse, Brown Creeper, Short-billed Marsh Wren, Hermit Thrush, Blue-gray Gnatcatcher, Golden-crowned Kinglet, Solitary Vireo, White-eyed Vireo.)—Willie G. Cahoon, J. W. Joyner, Royston R. Rudolph, Jr., Robert L. Wolff (compiler).

200. **New London, N. C.** (7½-mile radius, center 2 miles northwest of Badin, including High Rock Lake, Yadkin River, Badin Lake, Morrow Mountain State Park, Albemarle City Reservoir, Albemarle, Badin, New London; mixed deciduous woodlands 25%, open fields and farmland 27%, fresh-water pond and lake shores 25%, lakes and rivers 15%, marsh 3%, pine woods 2%, town suburbs 3%).—Dec. 30; 6 a.m. to 6 p.m. Clear becoming slightly cloudy late p.m.; temp. 25° to 50°; wind NW, 2-5 m.p.h.; water open. Sixteen observers in 4 parties. Total party-hours, 37 (20 on foot, 17 by car); total party-miles, 257 (19 on foot, 238 by car). Pied-billed Grebe, 6; Great Blue Heron, 6; Canada Goose, 27; Mallard, 20; Black Duck, 2; Ring-necked Duck, 1; Turkey Vulture, 43; Black Vulture, 14; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Marsh Hawk, 11; Sparrow Hawk, 11; Bob-white, 8; Killdeer, 31; Wilson's Snipe, 1; Herring Gull, 4; Ring-billed Gull, 36; Mourning Dove, 109; Screech Owl, 1; Barred Owl,

1; Belted Kingfisher, 2; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 18; Eastern Phoebe, 8; Horned Lark, 55; Blue Jay, 25; Am. Crow, 77; Carolina Chickadee, 66; Tufted Titmouse, 8; White-breasted Nuthatch, 12; Brown-headed Nuthatch, 15; Brown Creeper, 1; Carolina Wren, 28; Mockingbird, 70; Brown Thrasher, 1; Am. Robin, 74; Hermit Thrush, 3; Eastern Bluebird, 84; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 30; Water Pipit, 64; Cedar Waxwing, 50; Loggerhead Shrike, 19; Common Starling, 361; Myrtle Warbler, 14; Pine Warbler, 34; House Sparrow, 86; Eastern Meadowlark, 294; Red-winged Blackbird, 16; Purple Grackle, 15; Cardinal, 120; Evening Grosbeak, 5; Purple Finch, 7; Pine Siskin, 79; Am. Goldfinch, 245; Eastern Towhee, 14; Savannah Sparrow, 11; Slate-colored Junco, 333; Chipping Sparrow, 2; Field Sparrow, 57; White-crowned Sparrow, 1; White-throated Sparrow, 177; Swamp Sparrow, 3; Song Sparrow, 87. **Total,** 69 species; about 3067 individuals.—Susan Greene, Mrs. Rebekah S. Norwood, Joseph R. Norwood, John Trott (compiler), Anne Whitlock, Mrs. Vivian Whitlock.

201. North Wilkesboro, N. C. (10-mile diameter including portions of Yadkin River and Reddies River valleys; mixed woods 55%, open fields 40%, town streets 5%).—Dec. 23; 9 a.m. to 5:30 p.m. Clear; temp. 32° to 66°; wind W, 4-20 m.p.h.; ground clear. One observer. Total hours, 8½ (7½ on foot, 1 by car). Turkey Vulture, 1; Bob-white, 15; Killdeer, 29; Mourning Dove, 214; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 15; Am. Crow, 115; Carolina Chickadee, 23; Tufted Titmouse, 8; White-breasted Nuthatch, 4; Winter Wren, 1; Carolina Wren, 30; Mockingbird, 4; Am. Robin, 13; Hermit Thrush, 8; Eastern Bluebird, 20; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Common Starling, 23; Myrtle Warbler, 8; House Sparrow, 21; Rusty Blackbird, 85; Cardinal, 28; Purple Finch, 36; Pine Siskin, 8; Am. Goldfinch, 47; Eastern Towhee, 14; Slate-colored Junco, 7; Field Sparrow, 25; White-throated Sparrow, 90; Fox Sparrow, 3; Song Sparrow, 34. **Total,** 37 species; about 943 individuals.—Wendell P. Smith.

202. Wilmington, N. C. (7½-mile radius centering on Myrtle Grove Junction, including Wrightsville Beach and Sound, Masonboro and Greenville Sounds, Winter Park; Orton, Pleasant Oaks and Clarendon Plantations, Cape Fear River, Greenfield Lake).—Dec. 28; 6 a.m. to 5:30 p.m. Cloudy; temp. 38° to 69°; wind SSE, gusts to 15 m.p.h.; ground bare, water open. Fifteen observers in 7 parties Total party-hours, 76 (53 on foot, 23 by car); total party-miles, 369 (36 on foot, 333 by car). Common Loon, **104**; Red-throated Loon, **47**; Horned Grebe, 57; **Western Grebe, 1** (carefully studied at 150 ft.—P.M., M.U.); Pied-billed Grebe, 10; Brown Pelican, 18; Gannet, 32; Double-crested Cormorant, 51; Water-turkey, 2; Great Blue Heron, 35; Am Egret, 27; Louisiana Heron, 9; Little Blue Heron, 3; Green Heron, 2; Black-crowned Night Heron, 7; Am. Bittern, 1; Canada Goose, 506; Mallard, 750; Black Duck, 95; Gadwall, 83; Am. Widgeon, 411; Pintail, 146; Green-winged Teal, 201; Blue-winged Teal, 4; Shoveller, 2; Wood Duck, 8; Ring-necked Duck, 190; Canvas-back, 39; Greater Scaup, 12; Lesser Scaup, 32; Buffle-head, 39; Old-squaw, 2; White-winged Scoter, 1; Surf Scoter, 4; Am. Scoter, 10; Ruddy Duck, 4; Hooded Merganser, 27; Red-breasted Merganser, 132; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Marsh Hawk, 7; Osprey, 1; Peregrine Falcon, 1; Sparrow Hawk, 18; Bob-white, 32; King Rail, 2; Clapper Rail, 16; Florida Gallinule, 6; Am. Coot, 336; Am. Oyster-catcher, 12; Piping Plover, 4; Ringed Plover, 30; Killdeer, 25; Black-bellied Plover, 133; Am. Woodcock, 3; Wilson's Snipe, 5; **Spotted Sandpiper, 1**; Willet, 23; Greater Yellow-legs, 19; Lesser Yellow-legs, 21; Red-backed Sandpiper, 366; Eastern Dowitcher, 57; Semipalmated Sandpiper, 63; Western Sandpiper, 20; Sanderling, 77; Herring Gull, 308; Ring-billed Gull, 885; Bonaparte's Gull, 8; Forster's Tern, 59; Royal Tern, 13; Mourning Dove, 66; **Ground Dove, 3**; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 16; Yellow-shafted Flicker, 58; Pileated Woodpecker, 2; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, **46**; Hairy Woodpecker, 4; Downy Woodpecker, 14; Red-cockaded Woodpecker, 7; Eastern Phoebe, 15; Tree Swallow, 90; Blue Jay, 112; Am. Crow, 122; Fish Crow, 12; Carolina Chickadee, 50; Tufted Titmouse, 86; Red-breasted Nuthatch, 5; Brown-headed Nuthatch, 104; Brown Creeper, 1; House Wren, **17**; Winter Wren, 3; Carolina Wren, 65; Long-billed Marsh Wren, **66**; Short-billed Marsh Wren, 1; Mockingbird, 134; Catbird, 12; Brown Thrasher, 44; Am. Robin, 1297; Hermit Thrush, 5; Eastern Bluebird, 120; Blue-gray Gnatcatcher, 6; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 95; Water Pipit, 55; Cedar Waxwing, 109; Loggerhead Shrike, 10; Common Starling, 756; **White-eyed Vireo, 1**; Myrtle Warbler, 569; Pine Warbler, 67; Palm Warbler, 19; Common Yellowthroat, 23; House Sparrow, 185; Eastern Meadowlark, 405; Red-winged Blackbird, 1439; Boat-tailed Grackle, 232; Purple Grackle, 35; Brown-headed Cowbird, 325; Cardinal, 122; Purple Finch, 61; Am. Goldfinch, 299; Eastern Towhee, 157; Savannah Sparrow, 139; Grasshopper Sparrow, 3; Henslow's Sparrow, 7; Sharp-tailed Sparrow, 13; Seaside Sparrow, 4; Vesper Sparrow; 37; **Lark Sparrow, 1** (P.M.); Pine-woods Sparrow, 8; Slate-colored Junco, 96; Chipping Sparrow, 116; Field Sparrow, 119; White-throated Sparrow, 292; Fox Sparrow, 7; Swamp Sparrow, 112; Song Sparrow, 288 **Total,** 144 species; about 14,513 individuals. (Seen in area count week: Am. Merganser, Bald Eagle.)—Mrs. Edna Appleberry (compiler), Cecil Appleberry, Mrs. Mary Baker, Barney Barnhill, Vernon Collins, Clifford Comeau, John Irvine, John Irvine, Jr., Bill James, Harry Latimer, Greg

Massey, Mrs. Polly Mebane, Roxanna Mebane, Bill Roe, Mrs. Mary Urich.

203. Winston-Salem, N. C. (area same as last year including Salem Lake, Forsyth County Farm, Tanglewood Park, Reynolda, Wake Forest College Campus).—Jan. 1; 7:30 a.m. to 5 p.m. Fair; temp. 39° to 46°; wind S to SW, 0-10 m.p.h. Six observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 30 (10 on foot, 20 by car). Pied-billed Grebe, 3; Canada Goose, 80; Mallard, 23; Black Duck, 3; Shoveller, 1; Ring-necked Duck, 9; Turkey Vulture, 5; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Killdeer, 12; Mourning Dove, 21; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 3; Eastern Phoebe, 2; Blue Jay, 14; Am. Crow, 35; Carolina Chickadee, 25; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 3; Brown Creeper, 3; Carolina Wren, 5; Mockingbird, 22; Am. Robin, 1; Eastern Bluebird, 27; Golden-crowned Kinglet, 26; Cedar Waxwing, 16; Loggerhead Shrike, 7; Common Starling, 237; Myrtle Warbler, 3; Pine Warbler, 1; House Sparrow, 92; Eastern Meadowlark, 26; Cardinal, 13; Purple Finch, 13; Pine Siskin, 25; Am. Goldfinch, 32; Eastern Towhee, 5; Slate-colored Junco, 81; Field Sparrow, 14; White-throated Sparrow, 10; Swamp Sparrow, 3; Song Sparrow, 20. **Total,** 46 species; about 939 individuals.—Dr. and Mrs. Thomas W. Simpson, Lucia Simpson, Mrs. Alex Sloan, Dr. and Mrs. Merrill Spencer, Robert H. Witherington (compiler).

204. Aiken, S. C. (same area as last year; 7½-mile radius centered on Aiken Training Track; swamps and ponds 35%, fields and pastures 30%, pine and hardwood forest 15%, pine woods 15%, suburbs 5%).—Dec. 30; 6 a.m. to 6 p.m. Clear; temp. 33° to 55°; wind N, 3-8 m.p.h. Three observers in 2 parties. Total party-hours, 20 (17 on foot, 3 by car); total party-miles, 97 (22 on foot, 75 by car). Horned Grebe, 1; Pied-billed Grebe, 6; Ring-necked Duck, 28; scaup (sp.), 1; Am. Goldeneye, 1; Turkey Vulture, 7; Black Vulture, 9; Marsh Hawk, 1; **Peregrine Falcon, 1** (carefully identified —W.P.); Sparrow Hawk, 3; Bob-white, 1; Killdeer, 316; Mourning Dove, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 7; Horned Lark, 38; Blue Jay, 24; Am Crow, 25; Carolina Chickadee, 9; Tufted Titmouse, 21; Brown-headed Nuthatch, 4; House Wren, 2; Winter Wren, 2; Carolina Wren, 16; Mockingbird, 20; Brown Thrasher, 13; Am. Robin, 452; Hermit Thrush, 2; Eastern Bluebird, 15; **Blue-gray Gnatcatcher, 1** (carefully identified); Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 24; Water Pipit, 20; Cedar Waxwing, 52; Loggerhead Shrike, 13; Common Starling, 2800; Solitary Vireo, 1; Myrtle Warbler, 19; Palm Warbler, 3; Common Yellowthroat, 7; House Sparrow, 60; Eastern Meadowlark, 101; Red-winged Blackbird, 162; Rusty Blackbird, 3; Purple Grackle, 1900; Brown-headed Cowbird, 50; Cardinal, 60; Purple Finch, 7; Pine Siskin, 3; Am. Goldfinch, 26; Eastern Towhee, 35; Savannah Sparrow, 44; Vesper Sparrow, 13; Slate-colored Junco, 33; Chipping Sparrow, 2; Field Sparrow, 137; White-throated Sparrow, 119; Swamp Sparrow, 52; Song Sparrow, 73. **Total,** 65 species; about 6898 individuals. [Exceptionally neat carefully prepared report—Ed.]—David Elwonger, Robert A. Norris, William Post, Jr. (compiler).

205. Charleston, S. C. (same area as in preceding years; Bulls Island, adjacent marshes and waterways, mainland northwest across Wando River).—Dec. 23; 7 a.m. to 5 p.m. Clear; temp. 51° to 73°; wind NE, 10-14 m.p.h. Nineteen observers in 5 parties. Total party-hours, 47 (33 on foot, 13 by car, 1 by boat); total party-miles, 168 (37 on foot, 121 by car, 10 by boat). Common Loon, 4; Red-throated Loon, 1; Horned Grebe, 56; Pied-billed Grebe, 15; Double-crested Cormorant, 7; Great Blue Heron, 15; Am. Egret, 5; Snowy Egret, 53; Louisiana Heron, 16; Little Blue Heron, 30; Am. Bittern, 1; Mallard, 433; Black Duck, 32; Gadwall, 70; Am. Widgeon, 20; Pintail, 150; Green-winged Teal, 55; Blue-winged Teal, 8; Shoveller, 45; Ring-necked Duck, 55; Lesser Scaup, 8; Buffle-head, 19; Old-squaw, 3; Am. Scoter, 14; Ruddy Duck, 100; Hooded Merganser, 8; Red-breasted Merganser, 12; Turkey Vulture, 36; Black Vulture, 80; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; **Rough-legged Hawk, 1**; Bald Eagle, 6; Marsh Hawk, 11; Osprey, 1; Pigeon Hawk, 3; Sparrow Hawk, 4; Bob-white, 9; Turkey, 2; King Rail, 1; Clapper Rail, 8; Sora, 1; Am. Coot, 51; Am. Oystercatcher, 68; Ringed Plover, 15; Wilson's Plover, 4; Killdeer, 36; Black-bellied Plover, 29; Ruddy Turnstone, 56; Willet, 8; Greater Yellow-legs, 2; Red Knot, 20; Red-backed Sandpiper, 60; dowitcher (sp.), 27; Western Sandpiper, 80; Sanderling, 20; Herring Gull, 23; Ring-billed Gull, 13; Common Tern, 1; Royal Tern, 1; Black Skimmer, 2; Mourning Dove, 83; Ground Dove, 4; Belted Kingfisher, 10; Yellow-shafted Flicker, 26; Pileated Woodpecker, 18; Red-bellied Woodpecker, 22; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 25; Red-cockaded Woodpecker, 7; Eastern Phoebe, 25; Blue Jay, 46; Am. Crow, 116; Fish Crow, 16; Carolina Chickadee, 62; Tufted Titmouse, 54; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 28; Brown Creeper, 5; House Wren, 6; Winter Wren, 3; Carolina Wren, 35; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 41; Catbird, 6; Brown Thrasher, 10; Am. Robin, 92; Hermit Thrush, 11; Eastern Bluebird, 71; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 83; Cedar Waxwing, 7; Loggerhead Shrike, 12; Common Starling, 56; White-eyed Vireo, 2; Solitary Vireo, 6; Black and White Warbler, 2; Orange-crowned Warbler, 1; Myrtle Warbler, 249; Yellow-throated Warbler, 6; Pine Warbler, 95; Prairie Warbler, 1; Palm Warbler, 6 (1 Western); **Louisiana Water-thrush, 3**; Common Yellowthroat, 2; House Sparrow, 4; Eastern

Meadowlark, 79; Red-winged Blackbird, 602; Boat-tailed Grackle, 98; Purple Grackle, 50; Brown-headed Cowbird, 1; Cardinal, 79; Purple Finch, 28; Am. Goldfinch, 101; Eastern Towhee, 96; Savannah Sparrow, 23; Sharp-tailed Sparrow, 3; Seaside Sparrow, 4; Vesper Sparrow, 21; Pine-woods Sparrow, 4; Slate-colored Junco, 97; Chipping Sparrow, 19; Field Sparrow, 32; White-throated Sparrow, 158; Fox Sparrow, 11; Swamp Sparrow, 25; Song Sparrow, 58. **Total,** 133 species (1 additional subspecies); over 4915 individuals.—T. A. Beckett, Edmund Blitch, Robert H. Coleman, Mrs. Robert H. Coleman, Robert D. Edwards, Robert D. Edwards, Jr., T. C. Evans, R. E. Fritzshe, Julian Harrison, Peter Manigault, I. S. Metcalf, Sr., I. S. H. Metcalf, James Mosimann, Ben Owen, Mrs. Ben Owen, John Quinby, Alexander Sprunt, Jr., T. M. Uzzell, Jr., Ellison A. Williams (compiler).

206. Colleton Neck, S. C. (same area as 1953, mainland opposite Pinckney Island back to Colleton River, entirely within Foot Point and Hog Bluff Plantations).—Dec. 26; 7:30 a.m. to 6 p.m. Overcast; temp. 57° to 75°; wind N to NW, 6-18 m.p.h. One observer. Total hours, 10½ (9 on foot, 1½ by car); total miles, 40 (8 on foot, 32 by car). Common Loon, 2; Horned Grebe, 2; Pied-billed Grebe, 15; Brown Pelican, 1; Great Blue Heron, 1; Am. Egret, 1; Snowy Egret, 27; Louisiana Heron, 4; Little Blue Heron, 19; **Yellow-crowned Night Heron,** 1; Canada Goose, 2; Mallard, 2; Black Duck, 4; Gadwall, 3; Am. Widgeon, 67; Canvasback, 2; Lesser Scaup, 28; Buffle-head, 23; Ruddy Duck, 5; Hooded Merganser, 12; Turkey Vulture, 14; Black Vulture, 24; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 4; Clapper Rail, 8; Ringed Plover, 30; Killdeer, 8; Black-bellied Plover, 66; Ruddy Turnstone, 22; Wilson's Snipe, 1; Spotted Sandpiper, 1; Willet, 31; Greater Yellow-legs, 2; Red-backed Sandpiper, 71; Eastern Dowitcher, 24; Semipalmated Sandpiper, 75; Western Sandpiper, 60; Herring Gull, 1; Ring-billed Gull, 47; Mourning Dove, 90; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 2; Eastern Phoebe, 14; Blue Jay, 10; Am. Crow, 22; Carolina Chickadee, 8; Brown-headed Nuthatch, 3; House Wren, 2; Carolina Wren, 3; Long-billed Marsh Wren, 2; Mockingbird, 10; Catbird, 1; Brown Thrasher, 2; Am. Robin, 13; Eastern Bluebird, 16; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 8; Water Pipit, 5; Loggerhead Shrike, 2; Common Starling, 5; Myrtle Warbler, 90; Pine Warbler, 8; Palm Warbler, 1; Common Yellowthroat, 2; Eastern Meadowlark, 45; Red-winged Blackbird, 8; Boat-tailed Grackle, 76; Purple Grackle, 12; Brown-headed Cowbird, 7; Cardinal, 12; Am. Goldfinch, 5; Eastern Towhee, 13; Savannah Sparrow, 6; Slate-colored Junco, 8; Chipping Sparrow, 20; Field Sparrow, 35; White-throated Sparrow, 47; Fox Sparrow, 1; Swamp Sparrow, 21; Song Sparrow, 16. **Total,** 86 species; about 1394 individuals.—William Post, Jr.

207. Columbia, S. C. (same area as last year but Saint Andrews section added; deciduous river and creek swamps 35%, pine woods 15%, open fields 20%, lake shores 15%, urban 15%).—Dec. 28; 6:45 a.m. to 4:30 p.m. Partly cloudy to steady rain; temp. 42° to 54°; wind E, 5 m.p.h. Eleven observers in 5 parties. Total party-hours, 45 (35 on foot, 10 by car); total party-miles, 182 (42 on foot, 140 by car). Pied-billed Grebe, 3; Great Blue Heron, 6; Mallard, 1; Am. Widgeon, 1; Wood Duck, 1; Redhead, 1; Ring-necked Duck, 39; Black Vulture, 1; Red-shouldered Hawk, 4; Marsh Hawk, 2; Peregrine Falcon, 1 (R.O.); Sparrow Hawk, 11; Bob-white, 17; Am. Coot, 2; Killdeer, 11; Am. Woodcock, 2; Wilson's Snipe, 3; Ring-billed Gull, 7; Mourning Dove, 68; Belted Kingfisher, 5; Yellow-shafted Flicker, 60; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 17; Yellow-bellied Sapsucker, 8; Downy Woodpecker, 17; Eastern Phoebe, 15; Blue Jay, 260; Am. Crow, 70; Carolina Chickadee, 61; Tufted Titmouse, 17; Brown-headed Nuthatch, 7; Brown Creeper, 1; Carolina Wren, 54; Mockingbird, 64; Brown Thrasher, 34; Am. Robin, 324; Hermit Thrush, 10; Eastern Bluebird, 137; Golden-crowned Kinglet, 47; Ruby-crowned Kinglet, 71; Water Pipit, 6; Cedar Waxwing, 43; Loggerhead Shrike, 19; Common Starling, 390; Myrtle Warbler, 14; Pine Warbler, 45; **Yellow-breasted Chat,** 1 (G.B.); House Sparrow, 388; Eastern Meadowlark, 596; Red-winged Blackbird, **8334**; Rusty Blackbird, 776; Purple Grackle, 502; Brown-headed Cowbird, 29; Cardinal, 202; Purple Finch, 2; Am. Goldfinch, 288; Eastern Towhee, 163; Savannah Sparrow, 15; **Pine-woods Sparrow,** 7 (Mrs. P.B.H.); Slate-colored Junco, 64; Chipping Sparrow, 102; Field Sparrow, 158; White-throated Sparrow, 404; Swamp Sparrow, 12; Song Sparrow, 117. **Total,** 66 species; about 14,140 individuals.—Gilbert Bristow (compiler), Gordon Brown, J. W. Chalfant, Mrs. S. E. Hartin, Jimmy Hartin, Mrs. P. B. Hendrix, Mary Nell Koon, Robert Overing, Charles I. Simmons, Mrs. Clyde Sisson, Emma Walker.

208. Eastover, S. C. (same area as in former years; cultivated fields 33%, pasture 33%, residential 10%, deciduous and pine woods 14%, swampy areas around ponds 10%).—Dec. 30; 8 a.m. to 6 p.m. Clear; temp. 38° to 58°; wind NE to E, gentle to fresh. Three observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 25 (1 on foot, 24 by car). Pied-billed Grebe, 1; Am. Egret, 1; Am. Widgeon, 1; Wood Duck, 4; Ring-necked Duck, 98; Turkey Vulture, 2; Black Vulture, 6; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Osprey, 1; Sparrow Hawk, 2; Bob-white, 11; Killdeer, 27; Wilson's Snipe, 7; Mourning Dove, 49; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Eastern Phoebe, 3; Horned Lark, 44 (2 Northern); Blue Jay, 36; Am. Crow, 11; Carolina Chickadee, 2; Tufted Titmouse, 3; White-breasted Nuthatch,

1; Brown-headed Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 2; Carolina Wren, 6; Mockingbird, 11; Brown Thrasher, 3; Am. Robin, 19; Hermit Thrush, 1; Eastern Bluebird, 48; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 13; Water Pipit, 101; Loggerhead Shrike, 14; Common Starling, 1009; Myrtle Warbler, 3; Pine Warbler, 9; House Sparrow, 75; Eastern Meadowlark, 258; Red-winged Blackbird, 2500; Rusty Blackbird, 3000; Purple Grackle, 100; Brown-headed Cowbird, 1000; Cardinal, 24; Purple Finch, 2; **Pine Siskin, 1**; Am. Goldfinch, 43; Eastern Towhee, 12; Savannah Sparrow, 40; Vesper Sparrow, 32; Slate-colored Junco, 24; Chipping Sparrow, 17; Field Sparrow, 30; White-throated Sparrow, 79; Fox Sparrow, 1; Swamp Sparrow, 17; Song Sparrow, 19. **Total,** 66 species (1 additional subspecies); about 8869 individuals.—Mrs. W. H. Faver (compiler), Mrs. Clyde Sisson, Linda Sisson.

209. Santee National Wildlife Refuge, S. C. (7½-mile radius centering on road crossing Taw Caw Creek about 2¾ miles south of Davis Crossroads, includes most of Clarendon County portion of Refuge; town suburbs 10%, marsh, swamp and water edge 40%, mixed hardwood and pine forest 30%, pasture and field 20%).—Dec. 26; 7 a.m. to 5 p.m. Showers to 9 a.m., then clear; temp. 40° to 60°; wind NW, 10-14 m.p.h. Three observers in 2 parties. Total party-hours, 19 (5 on foot, 14 by car); total party-miles, 180 (8 on foot, 172 by car). Horned Grebe, 43; Pied-billed Grebe, 2; Double-crested Cormorant, 2; Great Blue Heron, 31; Am. Egret, 12; Louisiana Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 7200; Snow Goose, 1; Blue Goose, 1; Mallard, 10,000; Black Duck, 23; Gadwall, 7; Am. Widgeon, 6000; Pintail, 3000; Green-winged Teal, 42; Shoveller, 19; Redhead, 4; Ring-necked Duck, 2500; Canvas-back, 14; Bufflehead, 8; Turkey Vulture, 6; Black Vulture, 29; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 24; Sparrow Hawk, 52; Bob-white, 42; Am. Coot, 700; Killdeer, 30; Wilson's Snipe, 1; Herring Gull, 22; Ring-billed Gull, 1000; Mourning Dove, 59; Belted Kingfisher, 2; Yellow-shafted Flicker, 56; Pileated Woodpecker, 3; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 5; Red-cockaded Woodpecker, 2; Eastern Phoebe, 10; Blue Jay, 25; Am. Crow, 4000; Fish Crow, 200; Tufted Titmouse, 4; House Wren, 1; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 13; Catbird, 1; Brown Thrasher, 9; Am. Robin, 2; Eastern Bluebird, 20; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 20; Water Pipit, 48; Loggerhead Shrike, 74; Common Starling, 45; Myrtle Warbler, 1; Pine Warbler, 10; Palm Warbler, 3; House Sparrow, 400; Eastern Meadowlark, 290; Red-winged Blackbird, 40; Rusty Blackbird, 400; Purple Grackle, 520; Brown-headed Cowbird, 40; Cardinal, 112; Am. Goldfinch, 17; Eastern Towhee, 28; Savannah Sparrow, 11; Vesper Sparrow, 66; Slate-colored Junco, 175; Am. Tree Sparrow, 4; Chipping Sparrow, 90; Field Sparrow, 135; White-throated Sparrow, 86; **Lincoln's Sparrow,** 3; Song Sparrow, 46. **Total,** 83 species; about 37,931 individuals.—Gerald Baker (compiler), Gilbert J. Bristow, Gordon H. Brown, Charles H. Eastman.

210. Spartanburg, S. C. (7½-mile radius, including Zimmerman, Pierce and Johnson Lakes, Sewage Disposal Plant; open farmlands 15%, town suburbs 20%, mixed woodlands 20%, fresh-water lakes, ponds and marshes 45%).—Dec. 29; 8 a.m. to 5:30 p.m. Clear; temp. 36° to 50°; wind SW, 1-8 m.p.h. Ten observers in 3 parties. Totay party-hours, 17 (13 on foot, 4 by car); total party-miles, 43 (4 on foot, 39 by car). Pied-billed Grebe, 4; Canada Goose, 8; Mallard, 40; Ring-necked Duck, 9; Turkey Vulture, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 12; Killdeer, 45; Mourning Dove, 195; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 5; Blue Jay, 49; Am. Crow, 41; Carolina Chickadee, 29; Tufted Titmouse, 14; Brown-headed Nuthatch, 20; Carolina Wren, 14; Mockingbird, 37; Brown Thrasher, 9; Am. Robin, 175; Hermit Thrush, 2; Eastern Bluebird, 63; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 38; Water Pipit, 14; Loggerhead Shrike, 15; Common Starling, 6500; Myrtle Warbler, 2; Pine Warbler, 14; House Sparrow, 73; Eastern Meadowlark, 102; Red-winged Blackbird, 22; Rusty Blackbird, 12; Purple Grackle, 283; Brown-headed Cowbird, 5; Cardinal, 74; Purple Finch, 48; Pine Siskin, 25; Am. Goldfinch, 55; Eastern Towhee, 29; Savannah Sparrow, 15; Slate-colored Junco, 76; Field Sparrow, 47; White-throated Sparrow, 120; Fox Sparrow, 1; Song Sparrow, 43. **Total,** 56 species; about 8429 individuals. (Seen in area count period: Barn Owl, Pileated Woodpecker, White-breasted Nuthatch.)—Gabriel Cannon, Louisa Carlisle, Harold E. Correll, Ruth Crick (compiler), Paul E. Crosby, Margaret Hammond, Mrs. Thorny Sill, Louise Spivey, John O. Watkins, Mrs. John O. Watkins.

211. Atlanta, Ga. (same area as previous years; fields, pastures 20%, mixed woods 35%, parks 10%, residential 5%, roadside 5%, marsh 5%, ponds and streams 20%).—Dec. 29; 7 a.m. to 6 p.m. Fair; temp. 30° to 50°; wind NW, 0-10 m.p.h. Thirty observers in 10 parties. Total party-hours, 83 (72 on foot, 11 by car); total party-miles, 264 (50 on foot, 214 by car). Pied-billed Grebe, 22; Great Blue Heron, 2; Mallard, 2; **Black Duck, 1; Gadwall,** 1; Ring-necked Duck, 11; Lesser Scaup, 4; Turkey Vulture, 3; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 8; Sparrow Hawk, 6; Bob-white, 10; Am. Coot, 48; Killdeer, 625; Am. Woodcock, 3; Wilson's Snipe, 3; Mourning Dove, 342; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 30; Pileated Woodpecker, 3; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 3; Yellow-

bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 12; Eastern Phoebe, 5; Blue Jay, 216; Am. Crow, 236; Carolina Chickadee, 47; Tufted Titmouse, 51; White-breasted Nuthatch, 22; Brown-headed Nuthatch, 10; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 46; Mockingbird, 78; Brown Thrasher, 20; Am. Robin, 1150; Hermit Thrush, 6; Eastern Bluebird, 57; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 23; Water Pipit, 295; Cedar Waxwing, 932; Loggerhead Shrike, 8; Common Starling, 50,000; Myrtle Warbler, 12; Pine Warbler, 10; Palm Warbler, 3; Common Yellowthroat, 2; House Sparrow, 167; Eastern Meadowlark, 220; Red-winged Blackbird, 35,000; Rusty Blackbird, 2000; Purple Grackle, 40,000; Brown-headed Cowbird, 3150; Cardinal, 104; Purple Finch, 192; Pine Siskin, 37; Am. Goldfinch, 175; Eastern Towhee, 137; Savannah Sparrow, 99; Vesper Sparrow, 2; Slate-colored Junco, 716; Chipping Sparrow, 43; Field Sparrow, 399; White-throated Sparrow, 426; Fox Sparrow, 13; Swamp Sparrow, 63; Song Sparrow, 242. **Total,** 75 species; about 137,607 individuals.—Mrs. Sam Anderson, George Beal, Glenn Bell, Mr. and Mrs. Bill Caulder, Alma Cook, Mrs. Louise Cook, Mrs. Evelyn Crawford, Tom Collum, Mrs. H. L. Davis, Mrs. James K. Dobbs, Louis Fink, Rufus Godwin (compiler), William W. Griffin, Mr. and Mrs. Francis M. Hill, Ed Lamb, Mrs. Joseph Mendeloff, Hugh Moore, Joe Murphy, Mr. and Mrs. Hal S. Peters, Mrs. Margaret Roddy, Roy Roddy, Mrs. Henry Sacre, Mrs. Morgan Smith, Mrs. Marene Snow, Mrs. Henry Toombs, Ray Werner, Mrs. B. N. Willingham.

212. Blood Mountain, Ga. (5 miles along Appalachian Trail from Neels Gap [3125 ft.] over Blood Mountain [4461 ft.] to Jarrard Gap [3250 ft], side trail 1 mile to Lake Winfield Scott [2870 ft.]; deciduous woods with scattered stands of pine and hemlock 90%, pond 5%, field 5%).—Dec. 27; 9 a.m. to 5 p.m. Clear; temp. 28° to 35°. Five observers in 2 parties. Total party-hours, 16 (all on foot); total party-miles, 9 (all on foot). Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 2; Carolina Chickadee, 40; Tufted Titmouse, 20; White-breasted Nuthatch, 11; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 4; Am. Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Cardinal, 5; Purple Finch, 33; Am. Goldfinch, 11; Slate-colored Junco, 65. **Total,** 20 species; about 230 individuals. —Rufus B. Godwin, Edward Katibah, Ralph L. Ramsey (compiler), Mrs. Margaret Roddy, Mrs. Marene Snow.

213. Columbus, Ga. (same territory as last year; 4 areas within 7 miles of Columbus, including Park Hill Cemetery, Flat Rock Park, Edgewood, Green Island Ranch).—Dec. 28; 7 a.m. to 6 p.m. Drizzling rain, clearing in afternoon; temp. 32° to 60°; wind SW, 5-10 m.p.h. Three observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 40 (8 on foot, 32 by car). Mallard, 7; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Osprey, 3; Sparrow Hawk, 1; Bob-white, 10; **Sandhill Crane, 1** (present several days); Killdeer, 25; Wilson's Snipe, 1; Herring Gull, 12; Ring-billed Gull, 6; Mourning Dove, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 47; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Eastern Phoebe, 4; Blue Jay, 22; Am. Crow, 19; Carolina Chickadee, 5; Tufted Titmouse, 1; Brown-headed Nuthatch, 5; House Wren, 1; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 8; Mockingbird, 15; Catbird, 1; Brown Thrasher, 12; Am. Robin, 32; Hermit Thrush, 9; **Olive-backed Thrush, 2** (studied several days—L.A.W.); Eastern Bluebird, 13; Ruby-crowned Kinglet, 9; Common Starling, 36; **Black and White Warbler, 1**; **Orange-crowned Warbler, 1**; Myrtle Warbler, 5; Pine Warbler, 4; Common Yellowthroat, 3; House Sparrow, 42; Eastern Meadowlark, 75; Red-winged Blackbird, 15; Rusty Blackbird, 15; Cardinal, 26; Am. Goldfinch, 25; Eastern Towhee, 29; Savannah Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 70; Chipping Sparrow, 120; Field Sparrow, 9; White-throated Sparrow, 57; Swamp Sparrow, 3; Song Sparrow, 9. **Total,** 56 species; about 844 individuals. (Seen count period: Great Blue Heron, Turkey Vulture, Black Vulture, Loggerhead Shrike, Fox Sparrow.)—Mrs. Marian R. Clemmons, W. B. Clemmons (compiler), L. A. Wells.

214. Dalton, Ga. (same area as preceding years with addition of Deep Springs; mixed woods 30%, fields and pastures 30%, ponds and streams 25%, roadside 10%, marsh 5%).—Dec. 31; 7:15 a.m. to 5:30 p.m. Clear to overcast; temp. 37° to 50°; wind S, 10-15 m.p.h. Eight observers in 4 parties. Total party-hours, 58 (38 on foot, 20 by car); total party-miles, 145 (35 on foot, 110 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Canada Goose, 8; **Blue Goose, 1** (in pond since late Oct.); Ring-necked Duck, 1; Lesser Scaup, 1; Turkey Vulture, 17; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; **Broad-winged Hawk, 1** (carefully identified); Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 3; Killdeer, 59; Mourning Dove, 154; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 22; Am. Crow, 60; Carolina Chickadee, 24; Tufted Titmouse, 12; White-breasted Nuthatch, 1; Winter Wren, 1; Bewick's Wren, 6; Carolina Wren, 9; Mockingbird, 17; Am. Robin, 76; Eastern Bluebird, 76; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 5; Common Starling, 225; Myrtle Warbler, 5; Pine Warbler, 3; House Sparrow, 42; Eastern Meadowlark, 429; Red-winged Blackbird, 160; Rusty Blackbird, 22; Purple Grackle, 36; Cardinal, 86; Am. Goldfinch, 46; Eastern Towhee, 33; Savannah Sparrow, 5; Slate-colored Junco, 80; Chipping Sparrow, 154; Field Sparrow, 40; White-crowned Sparrow, 4; White-throated Sparrow, 9; Swamp Sparrow, 3; Song Sparrow, 15. **Total,** 58 species; about

1995 individuals. (Seen count period: Brown Thrasher.)—J. K. Bassett, Chloe Cox, Mrs. R. E. Hamilton (compiler), Mrs. Hermon King, H. J. Longley, Warren Martin, Mike Mullinax, Mrs. Jack Sohn.

215. Okefenokee National Wildlife Refuge, Ga. (7½-mile radius centering on Trail Ridge about 4 miles north of Camp Cornelia, northward to Durden Landing road, eastward to include Folkston and part of St. Marys River, southward to include Chesser Island and Chesser Prairie, westward to forks of Suwannee Canal and including Buck Lake, Chase and Mizell Prairies; watercourses 10%, swamp prairies 30%, open fields and field borders 25%, pine barrens 15%, urban 10%, deciduous wooded riverbottom 10%).—Jan. 1; 6:30 a.m. to 5 p.m. Cloudy; temp. 45° to 62°; wind W, 0-15 m.p.h.; water level about normal. Fifteen observers in 6 parties. Total party-hours, 52 (24 on foot, 10 by car, 18 by boat); total party-miles, 192 (28 on foot, 133 by car, 31 by boat). Water-turkey, 10; Great Blue Heron, 21; Am. Egret, 30; Green Heron, 2; Am. Bittern, 1; **Wood Ibis, 1** (I.T.); Mallard, 1327; Black Duck, 10; Pintail, 3; Blue-winged Teal, 1; Wood Duck, 216; Ring-necked Duck, 2; Lesser Scaup, 8; Hooded Merganser, 6; Turkey Vulture, 35; Black Vulture, 97; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 17; Bald Eagle, 3; Marsh Hawk, 3; Sparrow Hawk, 7; Bob-white, 8; Sandhill Crane, **190**; Sora, 1; Killdeer, 4; Wilson's Snipe, 1; Mourning Dove, 115; Ground Dove, 8; Barred Owl, 5; Belted Kingfisher, 6; Yellow-shafted Flicker, 34; Pileated Woodpecker, 14; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 12; Red-cockaded Woodpecker, 1; Eastern Phoebe, 18; Tree Swallow, 100; **Barn Swallow, 2** (all field marks—L.G.); Blue Jay, 20; Am. Crow, 4; Fish Crow, 2; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 7; Brown Creeper, 1; House Wren, 7; Winter Wren, 2; Carolina Wren, 12; Short-billed Marsh Wren, 2; Mockingbird, 111; Catbird, 21; Brown Thrasher, 22; Am. Robin, 883; Hermit Thrush, 7; Eastern Bluebird, 97; Blue-gray Gnatcatcher, 8; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 33; Loggerhead Shrike, 30; Common Starling, 164; White-eyed Vireo, 3; Solitary Vireo, 2; Orange-crowned Warbler, 4; Myrtle Warbler, 114; Yellow-throated Warbler, 1; Pine Warbler, 8; Palm Warbler, 2; Common Yellowthroat, 5; House Sparrow, 9; Eastern Meadowlark, 305; Red-winged Blackbird, 743; **Boat-tailed Grackle, 4** (I.T.); Purple Grackle, 74; Brown-headed Cowbird, 1; Cardinal, 29; Purple Finch, 31; Am. Goldfinch, 35; Eastern Towhee, 42; Savannah Sparrow, 12; Vesper Sparrow, 21; Pinewoods Sparrow, 9; Slate-colored Junco, 13; Chipping Sparrow, 40; Field Sparrow, 46; White-throated Sparrow, 50; Fox Sparrow, 2; Swamp Sparrow, 70; Song Sparrow, 15. **Total,** 91 species; about 5508 individuals.—Margaret B. Barrett, John B. Burch, Eugene Cypert (compiler), Mary Louise Cypert, Byron Groszman, Lois Groszman, Lois Hafford, Dorothy Kincaid, Ellen Moore, Ray Moore, Jane Park, Madelene Sawyer, Roy Shuman, Ivan Tomkins, Jane Whiteman (Okefenokee Bird Club).

216. Rome, Ga. (7½-mile radius centering on Second and Broad Streets, including Jones Lake, Wax Lake, Darlington School, Rome Nature Park, Berry Schools, Russell Airport; pasture and stubble 25%, pine woods 40%, deciduous woods 15%, lake shore 10%, town suburbs 10%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 32° to 53°; wind 6-15 m.p.h. Nineteen observers in 6 parties. Total party-hours, 158 (118 on foot, 40 by car); total party-miles, 180 (80 on foot, 100 by car). Pied-billed Grebe, 115; Little Blue Heron, 1; Green Heron, 3; Canada Goose, 20; Mallard, 31; Gadwall, 5; Am. Widgeon, 14; Green-winged Teal, 2; Ring-necked Duck, 100; Lesser Scaup, 61; Buffle-head, 3; Ruddy Duck, 21; Turkey Vulture, 43; Black Vulture, 50; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 4; Marsh Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; Bob-white, 34; Am. Coot, 9; Killdeer, 119; Am. Woodcock, 1; Wilson's Snipe, 7; Mourning Dove, 390; Belted Kingfisher, 3; Yellow-shafted Flicker, 29; Pileated Woodpecker, 6; Red-bellied Woodpecker, 24; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 14; Red-cockaded Woodpecker, 3; Eastern Kingbird, 1 [no details—Ed.]; Eastern Phoebe, 9; Horned Lark, 49; Blue Jay, 173; Am. Crow, 990; Carolina Chickadee, 69; Tufted Titmouse, 136; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 2; Brown Creeper, 4; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 27; Mockingbird, 165; Brown Thrasher, 15; Am. Robin, 330; Hermit Thrush, 3; Eastern Bluebird, 147; Golden-crowned Kinglet, 41; Ruby-crowned Kinglet, 11; Water Pipit, 30; Cedar Waxwing, 357; Loggerhead Shrike, 15; Common Starling, 2089; Orange-crowned Warbler, 4; Myrtle Warbler, 10; Yellow-throated Warbler, 4; Pine Warbler, 61; Common Yellowthroat, 1; House Sparrow, 155; Eastern Meadowlark, 783; Red-winged Blackbird, 2175; Rusty Blackbird, 180,100; Brewer's Blackbird, **10,100**; Purple Grackle, 912; Cardinal, 264; Purple Finch, 74; Pine Siskin, 11; Am. Goldfinch, 232; Eastern Towhee, 231; Savannah Sparrow, 30; Grasshopper Sparrow, 1; Vesper Sparrow, 12; Slate-colored Junco, 434; Chipping Sparrow, 127; Field Sparrow, 321; White-throated Sparrow, 678; Fox Sparrow, 13; Swamp Sparrow, 17; Song Sparrow, 80. **Total,** 86 species; about 202,630 individuals. (Seen count period: Horned Grebe, Ring-billed Gull.)—H. Gordon Anderson (compiler), George Bosworth, Dr. and Mrs. Fred Crenshaw, Julian T. Darlington, G. A. Dorsey, Mrs. J. L. Henderson, Mable Ann Jeffries, Dr. and Mrs. H. C. Jones, Mrs. Wright King, C. E. Lovett, Wilson Lovett, R. H. Lux, Ben Maulsby, Louise Nunnally, H. A. Olsen, George Poulsen, Mrs. Harlan Starr.

217. Sherwood and Birdsong Plantations, Ga. (within 1500 acres in Grady County; open fields and pastures 50%, pinelands and mixed hardwoods 30%, gum swamp and ponds 20%).—Dec. 25;

5:30 a.m. to 6:30 p.m. Largely overcast; temp. 62° to 70°; wind E, 2-7 m.p.h. One observer. Total hours, 13 (10 on foot, 2 by car, 1 by feeders); total miles, 32 (12 on foot, 20 by car). Pied-billed Grebe, 2; Water-turkey, 2; Wood Duck, 46; Ring-necked Duck, 12; Turkey Vulture, 150; Black Vulture, 475; Red-shouldered Hawk, 4; Bob-white, 12; Turkey, 21; Killdeer, 13; Mourning Dove, 200; Ground Dove, 5; Screech Owl, 1; Horned Owl, 4; Barred Owl, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 39; Pileated Woodpecker, 6; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 6; Tree Swallow, 3; Blue Jay, 12; Am. Crow, 28; Carolina Chickadee, 2; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 3; House Wren, 5; Carolina Wren, 10; Mockingbird, 6; Brown Thrasher, 14; Am. Robin, 11; Hermit Thrush, 15; Eastern Bluebird, 40; Ruby-crowned Kinglet, 21; Loggerhead Shrike, 10; Common Starling, 20; Orange-crowned Warbler, 1; Myrtle Warbler, 11; Yellow-throated Warbler, 1; Pine Warbler, 6; House Sparrow, 2; Eastern Meadowlark, 44; Red-winged Blackbird, 950; **Baltimore Oriole, 1**; Purple Grackle, 42; Brown-headed Cowbird, 47; Cardinal, 37; Am. Goldfinch, 11; Eastern Towhee, 29; Savannah Sparrow, 4; Vesper Sparrow, 5; Chipping Sparrow, 38; Field Sparrow, 1; White-throated Sparrow, 38; Swamp Sparrow, 5; Song Sparrow, 5. **Total,** 61 species; about 2517 individuals.—Herbert L. Stoddard, Sr.

218. Apalachicola, Fla. (center of circle ½ mile west of Cat Point; near edge of circle are Bay City, East Bay Fire Tower, Marsh Point, center of St. George Island; habitat coverage similar to that at Panacea, but less hardwoods).—Dec. 30; 6:35 a.m. to 6:35 p.m. Clear; temp. 50° to 65°; wind NE, 2-5 m.p.h. Seven observers in 4 parties. Total party-hours, 48 (32 on foot, 7 by car, 9 by boat); total party-miles, 239 (30 on foot, 184 by car, 25 by boat). Common Loon, 69; Horned Grebe, 99; Pied-billed Grebe, 15; Brown Pelican, 15; Double-crested Cormorant, **550**; Great Blue Heron, 15; Am. Egret, 6; Snowy Egret, 3; Louisiana Heron, 3; Little Blue Heron, 9; Gadwall, **925**; Am. Widgeon, 75; Pintail, 1; Shoveller, 2; Redhead, 200; Canvas-back, **200**; Greater Scaup, 8; Lesser Scaup, 240; scaup (sp.), 1190; Am. Golden-eye, 9; Buffle-head, 55; **White-winged Scoter, 1** (3 observers); Ruddy Duck, 31; Hooded Merganser, 11; Red-breasted Merganser, 29; Turkey Vulture, 34; Black Vulture, 3; Red-shouldered Hawk, 3; Bald Eagle, 3; Marsh Hawk, 2; Osprey, 7; Sparrow Hawk, 11; Clapper Rail, 11; Virginia Rail, 1; Sora, 1; Am. Coot, 380; Am. Oyster-catcher, **12**; Piping Plover, 6; Ringed Plover, 31; Killdeer, 40; Black-bellied Plover, 21; Ruddy Turnstone, 14; Wilson's Snipe, 1; **Long-billed Curlew, 2** (carefully identified—H.M.S., H.D.); **Spotted Sandpiper, 1**; Willet, 14; Greater Yellow-legs, 1; Lesser Yellow-legs, 4; Least Sandpiper, 5; Red-backed Sandpiper, 85; Eastern Dowitcher, 3; Semipalmated Sandpiper, 28; Western Sandpiper, 5; Sanderling, 120; Herring Gull, 150; Ring-billed Gull, 190; Laughing Gull, 12; Bonaparte's Gull, 1; Forster's Tern, 40; Royal Tern, 58; Caspian Tern, 14; Black Skimmer, 70; Mourning Dove, 4; Ground Dove, 11; Screech Owl, 1; Horned Owl, 2; Barred Owl, 1; Whip-poor-will, 2; Belted Kingfisher, 13; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 5; Downy Woodpecker, 6; Eastern Phoebe, 28; Tree Swallow, 200; Blue Jay, 31; Am. Crow, 25; Carolina Chickadee, 7; Tufted Titmouse, 5; Brown-headed Nuthatch, 11; House Wren, 18; Winter Wren, 3; Carolina Wren, 21; Long-billed Marsh Wren, 16; Short-billed Marsh Wren, 5; Mockingbird, 84; Catbird, 13; Brown Thrasher, 14; Am. Robin, 770; Hermit Thrush, 5; Eastern Bluebird, 45; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 60; Cedar Waxwing, 3; Loggerhead Shrike, 5; Common Starling, 300; White-eyed Vireo, 1; Solitary Vireo, 5; Black and White Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 400; Yellow-throated Warbler, 2; Pine Warbler, 45; Palm Warbler, 13; Common Yellowthroat, 19; **Yellow-breasted Chat, 1**; House Sparrow, 45; Eastern Meadowlark, 46; Red-winged Blackbird, 140; Boat-tailed Grackle, 80; Purple Grackle, 20; Cardinal, 70; **Blue Grosbeak, 1** (carefully identified—L.W., H.L.); Purple Finch, 5; Am. Goldfinch, 44; Eastern Towhee, 120; Savannah Sparrow, 5; Grasshopper Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 2; Field Sparrow, 46; White-throated Sparrow, 28; Swamp Sparrow, 40; Song Sparrow, 35. **Total,** 124 species; about 8134 individuals.—Ben Berkowitz, Harry F. Dunlap, Horace G. Loftin, Henry M. Stevenson (compiler), Lovett E. Williams, Karl and Marion Zerbe.

219. Atlantic Ocean off Cocoa Beach Fla. (5 to 20 miles east of Cocoa Beach; aboard *Miss Charleston* from 8 a.m. to 5 p.m.; thousands of birds around Port Canaveral and adjacent ocean within 5 miles of shore not included in this report; ocean 100%).—Dec. 21; 8:30 a.m. to 4:30 p.m. Clear; temp. 54° to 71°; wind NW, 12-22 m.p.h.; moderate swells building up to rough afternoon ocean. Five observers in 1 party. Total party-hours, 8 (by boat); total party-miles, 50 (by boat). Brown Pelican, 1; Gannet, 48 (only 6 adults); Man-o'-war-bird, 1; Red Phalarope, 1; Pomarine Jaeger, 2; Parasitic Jaeger, 6; jaeger (sp.), 7; Herring Gull, 53; Ring-billed Gull, 16; Laughing Gull, 110; Bonaparte's Gull, 13; Forster's Tern, 12; **Common Tern, 6**; Royal Tern, 102; gulls and terns (spp.), 450+ **Total,** 13 species; more than 828 individuals.—Allan D. Cruickshank (compiler). William Gurr, Michael Oboiko, Julian Sellers, W. Foster White (Indian River Audubon Society).

220. Cocoa, Fla. (15-mile diameter from ocean near Port Canaveral across Banana River, Merritt Island, Indian River, Cocoa to middle of Lake Poinsett; pine woods 22%, tidal estuaries 22%, palm hammocks and jungles 12%, gardens and citrus groves 10%, towns 9%, salt marshes and mangroves

8%, prairie 8%, fresh water and marshes 6%, ocean and beach 3%).—Dec. 27; 5:30 a.m. to 7:30 p.m. Clear to partly cloudy; temp. 64° to 74°; wind NE to E, 4-15-5 m.p.h.; all lowlands wet due to heavy rain preceding day. Fifty observers in 17 parties. Total party-hours, 200 (140 on foot, 50 by car and jeep, 10 by boat); total party-miles, 915 (68 on foot, 817 by car and jeep, 30 by boat). Common Loon, 8; Horned Grebe, 284; Pied-billed Grebe, 186; White Pelican, 6; Brown Pelican, 500+; Gannet, 24; Double-crested Cormorant, 550; Water-turkey, 84; Man-o'-war-bird, 2; **Great White Heron, 1** (G.W. party); Great Blue Heron, 140 (12 on nests); Am. Egret, 196; Snowy Egret, 460; Louisiana Heron, 340; Little Blue Heron, 230; Cattle Egret, 38; Green Heron, 42; Black-crowned Night Heron, 32; Yellow-crowned Night Heron, 3; Am. Bittern, 14; Least Bittern, **42**; Wood Ibis, **185**; Glossy Ibis, **240**; White Ibis, 5000; goose (sp.), 4; Mallard, 14; Black Duck, 10; Mottled Duck, 34; Gadwall, 44; **European Widgeon, 1** (W.D., C.R.M. party); Am. Widgeon, 440; Pintail, 2200; Green-winged Teal, 44; Blue-winged Teal, 160; Shoveller, 72; Wood Duck, 1; Redhead, 225; Ring-necked Duck, 18; Canvas-back, 4; Greater Scaup, **26**; Lesser Scaup, 8000; Buffle-head, 6; Surf Scoter, 1; Ruddy Duck, 128; Hooded Merganser, 24; **Am. Merganser,** 1 (W.D., C.R.M.); Red-breasted Merganser, 26; Turkey Vulture, 250; Black Vulture, 94; Sharp-shinned Hawk, 12; Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 19; Bald Eagle, 18 (5 on nests); Marsh Hawk, 52; Osprey, 12; Pigeon Hawk, 3; Sparrow Hawk, 196; Bob-white, 116; Turkey, 7 (2 parties); Sandhill Crane, 55; Limpkin, 1; King Rail, 62; Clapper Rail, 16; Virginia Rail, 8; Sora, 220; **Purple Gallinule, 1** (A.D.C.); Florida Gallinule, 27; Am. Coot, 1860; Piping Plover, 18; Ringed Plover, 85; Wilson's Plover, 2; Killdeer, 225; Black-bellied Plover, 112; Ruddy Turnstone, 140; Am. Woodcock, 1; Wilson's Snipe, 27; **Hudsonian Curlew, 2** (present all month); Spotted Sandpiper, 5; Willet, 14; Greater Yellow-legs, 67; Lesser Yellow-legs, 32; Red Knot, 22; Least Sandpiper, 69; Red-backed Sandpiper, 340; Eastern Dowitcher, 38; Semipalmated Sandpiper, 185; Western Sandpiper, 36+; Marbled Godwit, 1; Sanderling, 250; Am. Avocet, 13; Great Black-backed Gull, **8** (2 adults); Herring Gull, 320; Ring-billed Gull, 850; Laughing Gull, 260; Bonaparte's Gull, 188; Forster's Tern, 325; Common Tern, 14; Royal Tern, 500; Cabot's Tern, 5; Caspian Tern, 52; Black Skimmer, 780; Mourning Dove, 375; Ground Dove, 152; Barn Owl, 4; Screech Owl, 9; Horned Owl, 8 (3 nesting in eagle nests); Barred Owl, 7; Whip-poor-will, 2; Ruby-throated Hummingbird, 1; Belted Kingfisher, 132; Yellow-shafted Flicker, 140; Pileated Woodpecker, 26; Red-bellied Woodpecker, 111; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 5; Downy Woodpecker, 12; Red-cockaded Woodpecker, 5; Western Kingbird, **3**; Eastern Phoebe, 159; Tree Swallow, 1800; Purple Martin, 1 (4 observers); Blue Jay, 92; Scrub Jay, 106; Am. Crow, 5; Fish Crow, 1600; Tufted Titmouse, 2; Brown-headed Nuthatch, 21; House Wren, 154; Winter Wren, 2; Carolina Wren, 52; Long-billed Marsh Wren, 55; Short-billed Marsh Wren, 58; Mocking-bird, 310; Catbird, 80; Brown Thrasher, 15; Am. Robin, 1500; Hermit Thrush, 2; Eastern Bluebird, 134; Blue-gray Gnatcatcher, **174**; Ruby-crowned Kinglet, 44; Water Pipit, 27; Cedar Waxwing, 18; Loggerhead Shrike, 112; Common Starling, 60; White-eyed Vireo, 20; Solitary Vireo, 9; Black and White Warbler, 5; Orange-crowned Warbler, 51; Parula Warbler, 1; **Yellow Warbler, 1** (well seen —P.I.); **Black-throated Blue Warbler, 2** (1 each by 2 widely separated parties); Myrtle Warbler, 2000+; Black-throated Green Warbler, 1; Yellow-throated Warbler, 28; **Bay-breasted Warbler, 1** (well seen at close range—P.I.); Pine Warbler, 54; Prairie Warbler, 22; Palm Warbler, 850 (some Yellow Palms); Oven-bird, 3; Northern Water-thrush, 3; Common Yellowthroat, 250; Yellow-breasted Chat, **5**; House Sparrow, 120; Eastern Meadowlark, 350; Red-winged Blackbird, 2500+; **Baltimore Oriole, 3**; Rusty Blackbird, 4; Boat-tailed Grackle, 620; Purple Grackle, 176; Brown-headed Cowbird, 123; Cardinal, 240; Indigo Bunting, 2; Painted Bunting, 28; Dickcissel, 1; Purple Finch, 2; Pine Siskin, **8** (3 parties); Am. Goldfinch, **500+**; Eastern Towhee, 184 (mostly White-eyed); Savannah Sparrow, 430; Grasshopper Sparrow, 6; Sharp-tailed Sparrow, 13; Seaside Sparrow, 3; Vesper Sparrow, 22; Pine-woods Sparrow, 22; Chipping Sparrow, 210; Clay-colored Sparrow, 2; (1 each by 2 widely separated parties); Field Sparrow, 41; White-crowned Sparrow, 1; White-throated Sparrow, 14; Fox Sparrow, 1; Swamp Sparrow, 176; Song Sparrow, 32. **Total,** 193 species (2 additional subspecies); more than 44,760 individuals. In addition over 4000 ducks, gulls, terns and shorebirds too distant for identification. Careful details submitted for all unusual species. (Seen count period: **Blue Goose,** Am. Golden-eye, Peregrine Falcon, Solitary Sandpiper, Parasitic Jaeger, Short-eared Owl, Red-headed Woodpecker, Crested Flycatcher, Am. Redstart, Lark Sparrow.)—Clarence Allen, Katherine Allen, Ted Chandik, John Creech, Allan D. Cruickshank (compiler), Helen G. Cruickshank, William M. Davidson, Clara Dunbar, Robert Dunbar, David Ellinor, Alonzo Ellis, Guy Emerson, Loella Grimes, William Gurr, Robert Hamilton, Joseph C. Howell, William Hueston, Peter Isleib, John Johnson, Carl Jones, Philip Kahl, Richard Kuerzi, Katherine Lewis, William O. Lewis, Louise Luckan, C. Russell Mason, Myrtle Maxwell, Hewson Michie, Katherine Michie, Larry McQueen, Lucile Norton, Michael Oboiko, James O'Neil, Robert Pedigo, Ruth Rogers, Burt Stinnett, Verda Stinnett, Doris Thompson, Ivan R. Tomkins, Barrie Transue, W. Foster White, Farida Wiley, Ethel Woolfenden, Glen Woolfenden, Chandler Young, Katherine Young (Indian River Audubon Society and guests).

221. Coot Bay–Everglades National Park, Fla. (7½-mile radius centering ½ mile northwest of Bradley Key; mangrove swamp 15%, tropical hardwood hammock 15%, coastal prairie 25%, lakes, bays and Florida Bay 45%).—Dec. 28; 2:45 a.m. to 6:30 p.m. Light rain to cloudy to clear; temp.

65° to 82°; wind ESE to S, calm to 20 m.p.h.; heavy rain week preceding count, widespread flooding limited coverage. Forty-four observers in 15 parties. Total party-hours, 150 (95 on foot, 12 by car, 43 by boat); total party-miles, 319 (80 on foot, 102 by car, 137 by boat). Common Loon, 2; **Red-throated Loon, 1** (O.T.O. party); Horned Grebe, **323**; Pied-billed Grebe, 61; White Pelican, 305; Brown Pelican, 348; Double-crested Cormorant, 687; Water-turkey, 19; Man-o'-war-bird, **12**; Great White Heron, 261; Great Blue Heron, 155; Am. Egret, 704; Snowy Egret, 687; Reddish Egret, 9; Louisiana Heron, 256; Little Blue Heron, 533; **Cattle Egret, 1** (in area all fall); Green Heron, 88; Black-crowned Night Heron, 81; Yellow-crowned Night Heron, 18; Am. Bittern, 3; Wood Ibis, **972**; White Ibis, **1352**; Roseate Spoonbill, 1; Am. Flamingo, 4; **Am. Brant, 1** (F.J.L. party); Mottled Duck, 18; Gadwall, 3; Am. Widgeon, 8; Pintail, 78; Blue-winged Teal, 182; Shoveller, 48; Redhead, **13**; Ring-necked Duck, 20; Canvas-back, 3; Lesser Scaup, 2937; Ruddy Duck, 495; Red-breasted Merganser, 123; Turkey Vulture, 435; Black Vulture, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; **Red-tailed Hawk, 1** (Crane party); Red-shouldered Hawk, **65**; Broad-winged Hawk, 11; Short-tailed Hawk, 4; Bald Eagle, 21; Marsh Hawk, 30; Osprey, **101**; Peregrine Falcon, 11; Pigeon Hawk, 3; Sparrow Hawk, **52**; **King Rail, 2**; Clapper Rail, 1; **Virginia Rail, 1** (J.B.F.); Sora, 2; Am. Coot, 526; **Piping Plover, 2** (R.P.A. party); Ringed Plover, 179; Wilson's Plover, 5; Killdeer, 119; Black-bellied Plover, 754; Ruddy Turnstone, 42; Wilson's Snipe, 7; Long-billed Curlew, 8; Spotted Sandpiper, 38; Willet, **925**; Greater Yellow-legs, 30; Lesser Yellow-legs, 55; Red Knot, 18 (by 4 parties); **Pectoral Sandpiper, 1** (J.A.); Least Sandpiper, 3261; Red-backed Sandpiper, 3989; dowitcher, 657 (1 definite Eastern); Semipalmated Sandpiper, 5025; Western Sandpiper, 2621; Marbled Godwit, 42; Sanderling, 1; Herring Gull, 58; Ring-billed Gull, 261; Laughing Gull, 591; **Franklin's Gull, 1** (carefully identified—8 observers); Bonaparte's Gull, 2; Gull-billed Tern, **32** (4 parties); Forster's Tern, 91; Common Tern, **4**; Royal Tern, 259; Cabot's Tern, 8; Caspian Tern, 157; Black Skimmer, 306; **White-crowned Pigeon, 1** (B.J.K., Mrs. D.D.); Mourning Dove, 16; **White-winged Dove, 3** (present since Nov.); Ground Dove, **122**; Barn Owl, 1; Screech Owl, 5; Barred Owl, 6; **Chuck-will's-widow, 1** (full call); Ruby-throated Hummingbird, 5; Belted Kingfisher, 109; Yellow-shafted Flicker, **24**; Pileated Woodpecker, 3; Red-bellied Woodpecker, 43; Yellow-bellied Sapsucker, 1; **Scissor-tailed Flycatcher, 1** (Mrs. R.T.R. party); Crested Flycatcher, 32; Eastern Phoebe, 72; Tree Swallow, 16; Am. Crow, 169; Fish Crow, 6 (5 A.S., 1 C.B.M.); House Wren, **125**; Carolina Wren, 1 (R.L.C., H.B.M.); Short-billed Marsh Wren, **9**; Mockingbird, 94; Catbird, 111; Brown Thrasher, **9**; Am. Robin, 8; Blue-gray Gnatcatcher, 375; **Water Pipit, 1** (D.R.P., J.P.); Loggerhead Shrike, **5**; White-eyed Vireo, 35; Solitary Vireo, 9; Black and White Warbler, 33; Orange-crowned Warbler, 15; Parula Warbler, 9; Myrtle Warbler, 39; Yellow-throated Warbler, 16; Prairie Warbler, 83; Palm Warbler, 245; Oven-bird, 5; Northern Water-thrush, 11; Common Yellowthroat, 251; Yellow-breasted Chat, 4 (3 parties); Am. Redstart, 2; Eastern Meadowlark, **186**; Red-winged Blackbird, 894; **Bullock's Oriole, 1** (D.R.P.); Boat-tailed Grackle, **51**; Purple Grackle, 16; Cardinal, **101**; Painted Bunting, 27; **Indigo Bunting, 2**; Am. Goldfinch, **385**; Eastern Towhee, **15**; Savannah Sparrow, **277**; Grasshopper Sparrow, 43; Sharp-tailed Sparrow, 2; **Field Sparrow, 2** (1 A.S., 1 D.R.P., J.P.); **White-throated Sparrow, 1** (G.B.S. party); **Lincoln's Sparrow, 6** (other Dec. records); Swamp Sparrow, **67**; Song Sparrow, 1 (J.A., R.H.S.). **Total,** 152 species; about 35,849 individuals. (Seen count period: **Hermit Thrush,** Baltimore Oriole.) [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.]—Joel Abramson, Robert P. Allen, William G. Atwater, John F. Belshe, Charles M. Brookfield, Russel L. Burget, Ernst Christensen, F. C. Craighead, Francis V. Crane, Mrs. Francis V. Crane, Richard L. Cunningham, Haskell B. Curry, Mrs. Dorothy Dee, James B. Fleugel, Clay L. Gifford, Mrs. Dorothy C. Hall, Ty and Julie Hotchkiss, Margaret H. Hundley, Ben J. Kincaid, Paul Larson, Frank J. Ligas, Charlie Loveless, Robert F. Mainone, Mrs. Eugene C. Miles, Hugh Bell Muller, Nevin Musser, Flora E. O'Brien, O. T. Owre, Dennis R. Paulson, Patricia H. Paulson, Joseph Phelan, William B. Robertson, Jr. (compiler), Mrs. Ruby T. Ruettger, Art Schaffner, Robert H. Sehl, Emmanuel I. Sillman, George B. Stevenson, Stuart L. Warter, Ed Wysocki.

222. Daytona Beach, Fla. (15-mile diameter circle, center at junction of Volusia Ave. and Beach Street, west to fire tower on Route 92, north to Ormond Beach boundary, south to Spruce Creek; pasture 21%, pine barrens 36%, residential 10%, sand bars and waterways 8%, beach and dunes 25%). —Dec. 21; 7 a.m. to 5 p.m. Clear; temp. 55° to 63°; wind NW to N, 6-25 m.p.h. Seventeen observers in 4 parties. Total party-hours, 48 (40 on foot, 8 by car); total party-miles, 179 (9 on foot, 170 by car). Common Loon, 2; Horned Grebe, 19; Pied-billed Grebe, 8; Brown Pelican, 255; Gannet, 22; Double-crested Cormorant, 365; Water-turkey, 2; Great Blue Heron, 19; Am. Egret, 59; Snowy Egret, 7; Louisiana Heron, 51; Little Blue Heron, 214; Green Heron, 1; Black-crowned Night Heron, 13; White Ibis, 2; Mallard, 2; **Redhead, 1**; **Canvas-back, 1**; **Greater Scaup, 3**; Lesser Scaup, 56; Red-breasted Merganser, 20; Turkey Vulture, 15; Black Vulture, 77; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 3; Osprey, 4; Sparrow Hawk, 51; Bob-white, 1; Clapper Rail, 2; Florida Gallinule, 1; Am. Coot, 2; Piping Plover, 16; Ringed Plover, 6; Killdeer, 28; Black-bellied Plover, 46; Ruddy Turnstone, 92; Wilson's Snipe, 1; Willet, 1; Red Knot, 1; Least Sandpiper, 2; Red-backed Sandpiper, 19; dowitcher (sp.), 2; Semipalmated Sandpiper, 7; Sanderling, 261; Herring Gull, 109; Ring-billed Gull, 695; Laughing Gull, 67; Bonaparte's Gull, 50; Forster's

Tern, 3; Royal Tern, 93; Black Skimmer, 1000; Mourning Dove, 150; Ground Dove, 34; Belted Kingfisher, 31; Yellow-shafted Flicker, 27; Pileated Woodpecker, 2; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 44; **Vermilion Flycatcher, 1** (wintering near Ormond Beach); Tree Swallow, 22; Blue Jay, 39; Scrub Jay, 7; Am. Crow, 80; Fish Crow, 320; Carolina Chickadee, 6; House Wren, 9; Carolina Wren, 6; Mockingbird, 221; Catbird, 23; Brown Thrasher, 6; Am. Robin, 5000; Hermit Thrush, 1; Eastern Bluebird, 131; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 14; Water Pipit, 80; Cedar Waxwing, 221; Loggerhead Shrike, 42; Common Starling, 390; White-eyed Vireo, 1; Solitary Vireo, 5; Black and White Warbler, 1; Orange-crowned Warbler, 1; Parula Warbler, 1; Myrtle Warbler, 400; Pine Warbler, 4; Prairie Warbler, 1; Palm Warbler, 96 (some Yellow Palms); Common Yellowthroat, 7; House Sparrow, 34; Eastern Meadowlark, 46; Red-winged Blackbird, 37; Purple Grackle, 5; Cardinal, 34; **Purple Finch, 3**; Am. Goldfinch, **954**; Eastern Towhee, 20; Savannah Sparrow, 41; Chipping Sparrow, 23; Field Sparrow, 1; White-throated Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 7. **Total,** 109 species (1 additional subspecies); about 12,463 individuals.—Fred J. Ackermann (compiler), Elizabeth Ball, Rose Block, Olive Bredeau, Chester Childs, Lucille Deuce, Conrad Ekdahl, Norma Ekdahl, Joe Fairbanks, Priscilla Fairbanks, Lydia Hamilton, Inga Quam, F. Beacon Rich, Fred J. Storm, Esther Ulman, May Whiteman, Willard Whiteman (Halifax River Audubon Society).

223. Fort Myers, Fla. (15-mile diameter circle including Fort Myers, Fort Myers Beach, Punta Rassa, Estero; riverside, mangrove swamps, seashore, dry pineland, cypress swamps).—Dec. 28; 7:30 a.m. to 5:30 p.m. Sunny; temp. 64° to 79°; wind 5 m.p.h. Eleven observers in 3 parties. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 72 (4 on foot, 68 by car). Pied-billed Grebe, 3; Brown Pelican, 67; Double-crested Cormorant, 54; Great Blue Heron, 5; Am. Egret, 8; Snowy Egret, 4; Louisiana Heron, 3; Little Blue Heron, 6; Cattle Egret, 3; Yellow-crowned Night Heron, 2; Wood Ibis, 7; **Glossy Ibis, 1**; White Ibis, 45; Lesser Scaup, 150; Turkey Vulture, 55; Black Vulture, 54; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 2; Osprey, 1; Sparrow Hawk, 11; Bob-white, 54; **Limpkin, 1**; Piping Plover, 4; Wilson's Plover, 1; Killdeer, 2; Ruddy Turnstone, 3; Spotted Sandpiper, 2; Willet, 3; Least Sandpiper, **101**; Western Sandpiper, **100**; Sanderling, 4; Herring Gull, 4; Ring-billed Gull, 259; Laughing Gull, 7; Common Tern, 10; Royal Tern, 15; Black Skimmer, 35; Mourning Dove, 9; Ground Dove, 17; Ruby-throated Hummingbird, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; **Red-cockaded Woodpecker, 1**; Crested Flycatcher, 2; Eastern Phoebe, 7; empidonax (sp.), 1 [reported as Yellow-bellied Flycatcher—Ed.]; Tree Swallow, 85; Blue Jay, 2; Am. Crow, 1; Fish Crow, 9; House Wren, 1; Mockingbird, 38; Catbird, 2; Brown Thrasher, 1; Am. Robin, **228**; Eastern Bluebird, 12; Blue-gray Gnatcatcher, 1; Loggerhead Shrike, 4; Prairie Warbler, 1; Palm Warbler, 76 (2 races); House Sparrow, 86; Eastern Meadowlark, 9; Red-winged Blackbird, 228; Purple Grackle, 41; Cardinal, 19; Eastern Towhee, 11; Song Sparrow, 3. **Total,** 72 species (1 additional subspecies); about 2013 individuals. (Seen count period: Snowy Plover, Yellow-throated Warbler, Boat-tailed Grackle, Painted Bunting, Field Sparrow.) —Dirk Bruins, Mrs. George Erskine, Mr. and Mrs. Robert Gibson (compilers), Mr. and Mrs. Fritz Holmgren, Mrs. Maurice McErlain, Mr. and Mrs. Charles B. Peck, Mr. and Mrs. Denton J. Smith.

224. Fort Pierce, Fla. (7½-mile radius centering on Okeechobee Road ¼ mile west of Kirby Loop Road, including inlet, North Beach, South Beach, part of Indrio Road, 4 miles of Header Canal, Midway Rd.; ocean beach 10%, inlet and tidal flats 15%, Indian River shores 15%, scrub oak and pine woods 15%, ponds and marshes 15%, pasture 20%, jungle and hammock 10%).—Dec. 28; 5:45 a.m. to 7:30 p.m. Overcast, heavy rain p.m.; temp. 68° to 75°; wind variable, 0-3 m.p.h. Six observers in 4 parties. Total party-hours, 38 (26 on foot, 12 by car); total party-miles, 106 (11 on foot, 95 by car). Pied-billed Grebe, 7; Brown Pelican, 311; Double-crested Cormorant, 55; Water-turkey, 1; Man-o'-war-bird, 2; Great Blue Heron, 22; Am. Egret, 101; Snowy Egret, 151; Louisiana Heron, 5; Little Blue Heron, 23; **Cattle Egret, 30**; Yellow-crowned Night Heron, 1; Wood Ibis, 20; White Ibis, 49; Mottled Duck, 6; Blue-winged Teal, 6; Lesser Scaup, 54; Red-breasted Merganser, 5; Turkey Vulture, 57; Red-shouldered Hawk, 1; Marsh Hawk, 6; Osprey, 9; Sparrow Hawk, 51; Bob-white, 27; Sandhill Crane, 6; Florida Gallinule, 13; Killdeer, 47; Black-bellied Plover, 23; Ruddy Turnstone, 164; Wilson's Snipe, 1; Spotted Sandpiper, 3; Greater Yellow-legs, 1; Sanderling, 4; Herring Gull, 33; Ring-billed Gull, 168; Laughing Gull, 153; Bonaparte's Gull, 43; Forster's Tern, 70; **Common Tern, 2**; Royal Tern, 234; Cabot's Tern, 2; Caspian Tern, 1; Black Skimmer, 107; Mourning Dove, 18; Ground Dove, 13; **Whip-poor-will, 1**; Ruby-throated Hummingbird, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 3; **Crested Flycatcher, 2**; Eastern Phoebe, 56; Tree Swallow, **5000+**; Blue Jay, 26; Scrub Jay, 1; Am. Crow, 12; Fish Crow, 66; Brown-headed Nuthatch, 2; House Wren, 18; Carolina Wren, 6; Mockingbird, 71; Catbird, 17; Brown Thrasher, 2; Am. Robin, 504; Hermit Thrush, 2; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 5; Loggerhead Shrike, 48; White-eyed Vireo, 1; Solitary Vireo, 2; Orange-crowned Warbler, 4; Myrtle Warbler, 7; Yellow-throated Warbler, 4; Pine Warbler, 5; Palm Warbler, 4; Oven-bird, 1; Common Yellowthroat, 15; House Sparrow, 12; Eastern Meadowlark, 23; Red-winged

Blackbird, 221; Rusty Blackbird, 15; Boat-tailed Grackle, 451+; Cardinal, 59; **Indigo Bunting, 1**; Painted Bunting, 18; Am. Goldfinch, **105**; Eastern Towhee, 31 (mostly White-eyed); Savannah Sparrow, 2; Chipping Sparrow, 25; Field Sparrow, 1. **Total,** 92 species (1 additional subspecies); more than 9013 individuals. (Seen in area count period: Common Loon, Red-tailed Hawk, Bald Eagle, Black and White Warbler, Prairie Warbler.)—Clara Bates, Sam W. Hardwick, Esther R. Hubbard, Lyle S. Hubbard (compiler), Virginia J. Hubbard, Veronica E. Sexauer (St. Lucie Audubon Society and guests).

225. Gainesville, Fla. (15-mile diameter circle, including Alice Lake, Eastern Airlines Airport, Sperry area, edge of Payne's Prairie, Millhopper Road).—Dec. 29; 7 a.m. to 6 p.m. Clear; temp. 51° to 72°; wind NE to NW, 0-5 m.p.h. Six observers in 3 parties. Total party-hours, 16 (13 on foot, 3 by car); total party-miles, 78 (15 on foot, 63 by car). Double-crested Cormorant, 6; Water-turkey, 10; Great Blue Heron, 3; Am. Egret, 200; Snowy Egret, 50; Louisiana Heron, 25; Little Blue Heron, 75; Green Heron, 3; Black-crowned Night Heron, 10; Gadwall, 50; Blue-winged Teal, 200; Shoveller, 1; Lesser Scaup, 4; Turkey Vulture, 5; Black Vulture, 9; Red-shouldered Hawk, 5; Osprey, 1; Sparrow Hawk, 4; Bob-white, 3; Florida Gallinule, 100; Am. Coot, 50; Killdeer, 15; Wilson's Snipe, 18; Ring-billed Gull, 25; Mourning Dove, 300; Ground Dove, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 2; Red-cockaded Woodpecker, 4; Eastern Phoebe, 27; Blue Jay, 11; Am. Crow, 28; Fish Crow, 4; Carolina Chickadee, 7; Tufted Titmouse, 6; Brown-headed Nuthatch, 4; House Wren, 14; Carolina Wren, 14; Short-billed Marsh Wren, 1; Mockingbird, 11; Catbird, 2; Brown Thrasher, 4; Am. Robin, 26; Eastern Bluebird, 100; Blue-gray Gnatcatcher, 14; Ruby-crowned Kinglet, 16; Water Pipit, 125; Loggerhead Shrike, 5; White-eyed Vireo, 2; Myrtle Warbler, 150; Pine Warbler, 10; Palm Warbler, 39; Common Yellowthroat, 10; House Sparrow, 24; Eastern Meadowlark, 28; **Yellow-headed Blackbird, 1** (carefully identified, present since Dec. 8); Red-winged Blackbird, 1000; Boat-tailed Grackle, 100; Brown-headed Cowbird, 10; Cardinal, 62; Purple Finch, 3; Am. Goldfinch, 22; Eastern Towhee, 100; Savannah Sparrow, 90; Vesper Sparrow, 15; Pine-woods Sparrow, 10; Slate-colored Junco, 2; Chipping Sparrow, 100; Field Sparrow, 2; White-throated Sparrow, 91; Swamp Sparrow, 6; Song Sparrow, 22. **Total,** 74 species; about 3530 individuals. (Seen count period: Am. Golden-eye, Buffle-head, Common Starling.)—Mrs. L. E. Cisne, Nick Lanni, Charles E. Mounts, Mrs. Ralph Nauss, L. T. Nieland, Mrs. Mary Sherwood (compiler).

226. Jacksonville, Fla. (same area as last year; flatwoods 15%, hammock 24%, salt marsh 10%, fresh marsh 9%, mud flats 6%, swamp 3%, pineland 9%, sea beach 12%, sand dunes 5%, farmlands 2%, pasture 2%, suburbs 3%).—Dec. 29; 6:45 a.m. to 6:35 p.m. Cloudy to partly cloudy; temp. 56° to 65°; wind NNW to ENE, 5-13 m.p.h. Twenty-two observers in 6 parties. Total party-hours, 70 (43 on foot, 27 by car); total party-miles, 446 (59 on foot, 387 by car). Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 14; Pied-billed Grebe, 11; Brown Pelican, 197; Gannet, 5; Double-crested Cormorant, 37; Water-turkey, 1; Great Blue Heron, 38; Am. Egret, 190; Snowy Egret, 2; Louisiana Heron, 9; Little Blue Heron, 24; Green Heron, 2; Black-crowned Night Heron, 100; Wood Ibis, 1; Mallard, 2; Pintail, 1; Wood Duck, 5; Ring-necked Duck, 3; Canvas-back, 1; Lesser Scaup, 20; **Am. Golden-eye, 1**; Ruddy Duck, 13; Hooded Merganser, 5; Red-breasted Merganser, 2; Turkey Vulture, 53; Black Vulture, 30; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 11; Bald Eagle, 6; Marsh Hawk, 5; Osprey, 2; Sparrow Hawk, 32; Bob-white, 52; Clapper Rail, 93; Sora, 3; Am. Coot, 6; Piping Plover, 4; Ringed Plover, 12; Killdeer, 79; Black-bellied Plover, 12; Ruddy Turnstone, 85; Am. Woodcock, 1; Wilson's Snipe, 4; Spotted Sandpiper, 1; Greater Yellow-legs, 2; Least Sandpiper, 24; Red-backed Sandpiper, 40; Semipalmated Sandpiper, 33; Western Sandpiper, 54; Sanderling, 84; Herring Gull, 453; Ring-billed Gull, 881; Laughing Gull, 293; Bonaparte's Gull, 26; Forster's Tern, 152; Royal Tern, 95; Caspian Tern, 5; Black Skimmer, 453; Mourning Dove, 45; Ground Dove, 13; Screech Owl, 3; Horned Owl, 4; Barred Owl, 5; Belted Kingfisher, 24; Yellow-shafted Flicker, 59; Pileated Woodpecker, 11; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 34; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 1; Downy Woodpecker, 8; Eastern Phoebe, 37; Tree Swallow, 511; Blue Jay, 75; Am. Crow, 3; Fish Crow, 247; Carolina Chickadee, 3; Tufted Titmouse, 30; Brown-headed Nuthatch, 2; House Wren, 25; Winter Wren, 1; Carolina Wren, 31; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 4; Mockingbird, 94; Catbird, 17; Brown Thrasher, 55; Am. Robin, 1363; Hermit Thrush, 9; Eastern Bluebird, 68; Blue-gray Gnatcatcher, 11; Ruby-crowned Kinglet, 35; Water Pipit, 53; Cedar Waxwing, 267; Loggerhead Shrike, 67; Common Starling, 150; White-eyed Vireo, 1; Solitary Vireo, 2; Black and White Warbler, 3; Orange-crowned Warbler, 6; Myrtle Warbler, 986; Yellow-throated Warbler, 5; Pine Warbler, 3; Palm Warbler, 71; Common Yellowthroat, 18; House Sparrow, 12; Eastern Meadowlark, 128; Red-winged Blackbird, 115; Rusty Blackbird, 20; Boat-tailed Grackle, 17; Purple Grackle, 10; Brown-headed Cowbird, 166; Cardinal, 92; Purple Finch, 1; Am. Goldfinch, 161; Eastern Towhee, 129; Savannah Sparrow, 58; Sharp-tailed Sparrow, 7; Seaside Sparrow, 4; Vesper Sparrow, 43; **Slate-colored Junco, 2**; Chipping Sparrow, 85; Field Sparrow, 75; White-throated Sparrow, **408**; Fox Sparrow, 3; Swamp Sparrow, 21; Song Sparrow, 36. **Total,** 130 species; about 9878 individuals.—Charlotte Buckland, Mary Craft, Mrs. Noble Eberhart, Frances Eichman, Mrs. Rose Forney, Wilbur Gary, Samuel Grimes, Mrs. W. W. Hendrickson, Margaret Jackson, Mrs. J. D. Kelly, Robert Marsh, Mrs. R. F. McGee, Monique McGee, Reg McKay (compiler), K. L. Painter, Robert

Pedigo, Maurice Protheroe, Mrs. M. Protheroe, Mrs. Victor Rahmer, Mrs. J. C. Stone, H. M. Wesley, Mrs. J. W. Whiteman (Audubon Society of Duval County).

227. **Jensen Beach, Fla.** (within a 7½-mile radius, Walton Community Center, southeast to Jensen Beach, ocean to western edge of the savannah; ocean and beach 25%, causeway and tidal flats 15%, salt-water sound and shores 20%, scrub oak 5%, jungle and hammock 10%, fresh-water ponds and marsh 25%).—Dec. 30; 7:45 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 60° to 77°; wind ENE, 5-10 m.p.h.; water in savannah higher than usual at this season. Two observers in 1 party. Total party-hours, 9¾ (6 on foot, 3¾ by car); total party-miles, 21 (3 on foot, 18 by car). Brown Pelican, 275; Gannet, 4; Double-crested Cormorant, 735; Water-turkey, 3; Man-o'-war-bird, 3; Great Blue Heron, 5; Am. Egret, 1; Snowy Egret, 2; Little Blue Heron, 5; Wood Ibis, 3; Lesser Scaup, 10; Turkey Vulture, 16; Bald Eagle, 1; Osprey, 1; Sparrow Hawk, 11; Sandhill Crane, 3; Piping Plover, 19; Killdeer, 1; Black-bellied Plover, 17; Ruddy Turnstone, 38; Red-backed Sandpiper, 46; Sanderling, 254; Herring Gull, 42; Ring-billed Gull, 57; Laughing Gull, 1; Bonaparte's Gull 3; Forster's Tern, 8; **Common Tern, 1**; Royal Tern, 35; Cabot's Tern, 1; Caspian Tern, 17; Black Skimmer, 24; Mourning Dove, 3; Ground Dove, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Eastern Phoebe, 2; Tree Swallow, 20; Blue Jay, 3; Scrub Jay, 1; Fish Crow, 7; House Wren, 2; Carolina Wren, 1; Mockingbird, 7; Catbird, 1; Am. Robin, 523; Blue-gray Gnatcatcher, 1; Loggerhead Shrike, 1; Palm Warbler, 2; Cardinal, 3; Am. Goldfinch, 11; Eastern Towhee, 11 (mostly White-eyed); **Lark Sparrow, 1** (carefully identified); Chipping Sparrow, 3. **Total,** 55 species (1 additional subspecies); about 2255 individuals. Hundreds of gulls and terns flying over ocean too far for identification. (Seen in area count period: Common Loon, Marsh Hawk.)—Lyle S. Hubbard (compiler), Virginia J. Hubbard.

228. **Key Largo–Plantation Key, Fla.** (7½-mile radius centering 1 mile NW of East Key, including Key Largo, Plantation, Upper Matecumbe, Butternut, Park, Club, Panhandle, Shell Keys; ocean and bay 80%, tropical hammock 10%, ponds, swamps 5%, flats 5%). —Dec. 22; 6:45 a.m. to 6 p.m. Cloudy; temp. 64° to 75°; wind NNE, 15 m.p.h. Fifteen observers in 6 parties. Total party-hours, 44 (10 on foot, 19 by car, 15 by boat); total party-miles, 167 (14 on foot, 83 by car, 70 by boat). Common Loon, 1; Horned Grebe, 18; Pied-billed Grebe, 8; White Pelican, 6; Brown Pelican, 362; Double-crested Cormorant, 533; Water-turkey, 1; Man-o'-war-bird, 77; Great White Heron, 96; Great Blue Heron, 27; Am. Egret, 76; Snowy Egret, 21; Reddish Egret, 13; Louisiana Heron, 99; Little Blue Heron, 73; **Cattle Egret, 4**; Green Heron, 3; Yellow-crowned Night Heron, 2; White Ibis, 34; Roseate Spoonbill, 102; Lesser Scaup, 11; Red-breasted Merganser, 88; Turkey Vulture, 53; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-shouldered Hawk, 6; Broad-winged Hawk, 4; **Short-tailed Hawk, 1**; Bald Eagle, 4; Marsh Hawk, 10; Osprey, 35; Pigeon Hawk, 1; Sparrow Hawk, 105; Ringed Plover, 48; Wilson's Plover, 1; Killdeer, 3; Black-bellied Plover, 71; Ruddy Turnstone, 73; Spotted Sandpiper, 1; Willet, 4; Greater Yellow-legs, 6; Red Knot, 150; Least Sandpiper, 99; Red-backed Sandpiper, 20; dowitcher (sp.), 113; Semipalmated Sandpiper, 117; Western Sandpiper, 32; Black-necked Stilt, 4; Herring Gull, 46; Ring-billed Gull, 156; Laughing Gull, 397; Forster's Tern, 29; Royal Tern, 443; Caspian Tern, 31; Black Skimmer, 416; **White-crowned Pigeon, 3**; Mourning Dove, 18; Ground Dove, 72; **Smooth-billed Ani, 2**; Ruby-throated Hummingbird, 7; Belted Kingfisher, 26; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Western Kingbird, 7; Crested Flycatcher, 1; Eastern Phoebe, 19; Scissor-tailed Flycatcher, 5; Tree Swallow, 54; **Barn Swallow, 4**; House Wren, 25; Mockingbird, 88; Catbird, 63; Brown Thrasher, 2; Am. Robin, 9; Blue-gray Gnatcatcher, 71; Loggerhead Shrike, 1; White-eyed Vireo, 25; Black and white Warbler, 2; Orange-crowned Warbler, 3; Parula Warbler, 3; Myrtle Warbler, 207; Yellow-throated Warbler, 3; Prairie Warbler, 20; Palm Warbler, 413; Oven-bird, 1; Common Yellowthroat, 53; Yellow-breasted Chat, 3; House Sparrow, 24; Red-winged Blackbird, 98; **Baltimore Oriole, 1**; **Bullock's Oriole, 1** (both orioles carefully identified by experienced observers); Cardinal, 63; Painted Bunting, 9; Am. Goldfinch, 27; **Eastern Towhee, 2**; Savannah Sparrow, 26; Grasshopper Sparrow, 2. **Total,** 98 species (1 additional hybrid); about 5620 individuals. (Barn Owl seen in area count period. Species nesting: Great White Heron, Roseate Spoonbill, Bald Eagle, Osprey.) —Robert P. Allen, Herbert Alley, Hank Bennett, Linda Bennett, Christine Bonney, Marie P. Cobb, Francis and Mary Crane, Frances Hames, Margaret H. Hundley, William P. Robertson, Sandy Sprunt, George B. Stevenson (compiler), Jack Watson, Erwin Winte (Monroe County Audubon Society).

229. **Key West, Fla.** (7½-mile radius centering on Boca Chica Key, including Key West, Stock Island, Saddlebunch Keys; mud flats 15%, mangrove 10%, beaches, waterfront, docks 50%, hammock 15%, open fields, sanctuary, golf course 10%). —Jan. 1; 7 a.m. to 5:30 p.m. Cloudy; temp. 75° to 60°; wind NW to N, 15-30 m.p.h. Nine observers in 2 parties. Total party-hours, 24 (3 on foot, 21 by car); total party-miles, 75 (5 on foot, 70 by car). Pied-billed Grebe, 1; Brown Pelican, 12; Double-crested Cormorant, 57; Man-o'-war-bird, 10; Great White Heron, 6; Great Blue Heron, 4; Würdemann's Heron (hybrid), 2; Am. Egret, 9; Snowy Egret, 5; Louisiana Heron, 18; Little Blue Heron, 21; **Cattle Egret, 7**; Green Heron, 2; Yellow-crowned Night Heron, 4; Red-breasted Merganser, 8; Turkey Vulture, 36; Broad-winged Hawk, 2; Osprey, 2; Sparrow Hawk, 64; Clapper Rail, 2; Ringed Plover, 16; Wilson's Plover, 8; Killdeer, 27; Black-bellied Plover, 39; Ruddy Turnstone, 44;

Spotted Sandpiper, 3; Willet, 10; Greater Yellow-legs, 6; Lesser Yellow-legs, 9; Red Knot, 8; Least Sandpiper, 23; dowitcher (sp.), 156; Semipalmated Sandpiper, 22; Western Sandpiper, 3; Sanderling, 36; Herring Gull, 36; Ring-billed Gull, 404; Laughing Gull, 678; Bonaparte's Gull, 1; **Common Tern, 1**; Royal Tern, 122; **Cabot's Tern, 1**; Black Skimmer, 74; **White-crowned Pigeon, 2**; Mourning Dove, 5; Ground Dove, 30; Barn Owl, 1; Chuck-will's-widow, 1; Ruby-throated Hummingbird, 1; Belted Kingfisher, 24; Western Kingbird, 3; **Scissor-tailed Flycatcher, 3**; Tree Swallow, 1; House Wren, 1; Mockingbird, 17; Catbird, 28; **Eastern Bluebird, 2**; Blue-gray Gnatcatcher, 15; Common Starling, 11; White-eyed Vireo, 4; Parula Warbler, 4; Myrtle Warbler, 46; Yellow-throated Warbler, 2; Prairie Warbler, 5; Palm Warbler, 74; Common Yellow-throat, 6; Am. Redstart, 1; House Sparrow, 73; Red-winged Blackbird, 112; Cardinal, 2; Painted Bunting, 8; **Indigo Bunting, 1**; Am. Goldfinch, 40; Savannah Sparrow, 20; **Swamp Sparrow, 1. Total,** 74 species (1 additional hybrid); about 2543 individuals. [Careful details submitted for all unusual observations—ED.]—Marie P. Cobb, Mary Crane, Jack Currie, Clara Fentress, Francis Hames, Donald Heinly, Margaret H. Hundley, Ruth Lawrence, George B. Stevenson (compiler) (Monroe County Audubon Society).

230. Lower Keys, Fla. (keys and connecting bridges along Overseas Highway from west end of Seven Mile Bridge through Cudjoe Key; 7½-mile radius centering on Big Pine Key; beaches, sand bars, ocean, gulf 30%, salt-water ponds and mud flats 30%, mangrove swamps 20%, pine–palm forest 15%, tropical hammock 5%).— Dec. 21; 6:45 a.m. to 6:20 p.m. Clear to overcast to clear; temp. 63° to 79°; wind NE to N, 3-4 m.p.h.; bay and ocean calm. Six observers in 2 parties. Total party-hours, 23 (12 on foot, 11 by car); total party-miles, 92 (8 on foot, 84 by car). Common Loon, 1; Brown Pelican, 46; Double-crested Cormorant, 265; Man-o'-war-bird, 14; Great White Heron, 21; Great Blue Heron, 20; Am. Egret, 10; Snowy Egret, 8; Louisiana Heron, 44; Little Blue Heron, 17; Green Heron, 6; Yellow-crowned Night Heron, 16; Würdemann's Heron (hybrid), 6; **Am. Widgeon, 50**; **Pintail, 20**; Red-breasted Merganser, 66; Turkey Vulture, 23; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-shouldered Hawk, 5; Broad-winged Hawk, 4; Bald Eagle, 2; Marsh Hawk, 6; Osprey, 13; Peregrine Falcon, 3; Sparrow Hawk, 46; Clapper Rail, 1; Piping Plover, 10; Ringed Plover, 98; Wilson's Plover, 43; Killdeer, 8; Black-bellied Plover, 48; Ruddy Turnstone, 101; Spotted Sandpiper, 4; Willet, 7; Greater Yellow-legs, 2; Lesser Yellow-legs, 2; Least Sandpiper, 43; dowitcher (sp.), 126; Semipalmated Sandpiper, 100; Western Sandpiper, 13; Sanderling, 51; Herring Gull, 6; Ring-billed Gull, 31; Laughing Gull, 124; **Bonaparte's Gull, 1**; **Forster's Tern, 50**; **Common Tern, 15**; Royal Tern, 363; **Cabot's Tern, 7**; Caspian Tern, 6; Black Skimmer, 75; Mourning Dove, 21; Ground Dove, 23; Barn Owl, 1; Ruby-throated Hummingbird, 1; Belted Kingfisher, 27; Red-bellied Woodpecker, 10; Tree Swallow, 2; **Rough-winged Swallow, 1**; House Wren, 8; Mockingbird, 19; Catbird, 15; Blue-gray Gnatcatcher, 33; White-eyed Vireo, 3; Solitary Vireo, 1; Black and White Warbler, 4; Parula Warbler, 2; Myrtle Warbler, 17; Yellow-throated Warbler, 8; Prairie Warbler, 25; Palm Warbler, 202; Oven-bird, 2; Northern Water-thrush, 1; Common Yellowthroat, 47; **Yellow-breasted Chat, 1**; Am. Redstart, 1; Red-winged Blackbird, 288; Cardinal, 44; Painted Bunting, 3; Am. Goldfinch, 6; Savannah Sparrow, 29; Grasshopper Sparrow, 3. **Total,** 82 species (1 additional hybrid); about 2898 individuals.—Mrs. Guy Bonney, Francis V. Crane, Mrs. Francis V. Crane (compiler), Mrs. Margaret H. Hundley, William B. Robertson, George B. Stevenson, Mrs. Paul C. Washburn.

231. Loxahatchee National Wildlife Refuge, Fla. (Palm Beach County, center of circle moved to a point 6 miles west of Highland Beach to include Boca Raton Inlet and Highland Beach).—Dec. 29; 7 a.m. to 6 p.m. Overcast; temp. 55° to 68°; wind NW, 0-10 m.p.h. Fifteen observers in 7 parties. Total party-hours, 51 (7 on foot, 29 by car, 7 by airboat, 8 by boat); total party-miles, 186 (9 on foot, 127 by car, 30 by airboat, 20 by boat). Pied-billed Grebe, 11; Brown Pelican, 5; Great Blue Heron, 24; Am. Egret, 397; Snowy Egret, 141; Louisiana Heron, 48; Little Blue Heron, 228; Cattle Egret, 30; Green Heron, 24; Black-crowned Night Heron, 51; Yellow-crowned Night Heron, 7; Am. Bittern, 20; Least Bittern, 3; Wood Ibis, 42; Glossy Ibis, 84; White Ibis, 148; Mottled Duck, 85; Am. Widgeon, 3; Pintail, 12; Green-winged Teal, 1; Blue-winged Teal, 28; Wood Duck, 4; Ring-necked Duck, 67; Lesser Scaup, 131; Red-breasted Merganser, 1; Turkey Vulture, 199; Black Vulture, 16; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 26; Bald Eagle, 2; Marsh Hawk, 24; Osprey, 3; Peregrine Falcon, 2; Sparrow Hawk, 123; Bob-white, 81; Sandhill Crane, 14; Limpkin, 7; King Rail, 2; Sora, 10; Florida Gallinule, 36; Am. Coot, 198; Killdeer, 120; Black-bellied Plover, 21; Ruddy Turnstone, 22; Wilson's Snipe, 9; Spotted Sandpiper, 1; Greater Yellow-legs, 1; Least Sandpiper, 7; Red-backed Sandpiper, 30; Sanderling, 123; Herring Gull, 3; Ring-billed Gull, 116; Royal Tern, 148; Mourning Dove, 162; Ground Dove, 106; **Smooth-billed Ani, 1** (carefully identified—F.L.); Horned Owl, 1; Barred Owl, 2; Whip-poor-will, 1; Ruby-throated Hummingbird, 2; Belted Kingfisher, 24; Yellow-shafted Flicker, 69; Pileated Woodpecker, 1; Red-bellied Woodpecker, 80; Yellow-bellied Sapsucker, 16; Downy Woodpecker, 1; Crested Flycatcher, 11; Eastern Phoebe, 93; Tree Swallow, 292; Blue Jay, 103; Scrub Jay, 8; **Am. Crow, 1**; House Wren, 40; Carolina Wren, 7; Long-billed Marsh Wren, 205; Short-billed Marsh Wren, 3; Mockingbird, 297; Catbird, 57; Brown Thrasher, 11; Am. Robin, **1656**; **Hermit Thrush, 1**; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 50; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 188; White-eyed Vireo, 12; Solitary Vireo, 10; Black and White Warbler, 4;

Orange-crowned Warbler, 1; **Parula Warbler, 1**; Myrtle Warbler, 75; Yellow-throated Warbler, 5; Pine Warbler, 6; Prairie Warbler, 6; Palm Warbler, 240; Oven-bird, 2; **Northern Water-thrush, 2**; Common Yellowthroat, 165; House Sparrow, 16; Eastern Meadowlark, 388; Red-winged Blackbird, 2279; Boat-tailed Grackle, 2486; Purple Grackle, 794; Cardinal, 161; Painted Bunting, 24; Am. Goldfinch, 1241; Eastern Towhee, 19; Savannah Sparrow, 39; Chipping Sparrow, 24; Swamp Sparrow, 214. **Total,** 111 species; about 14,653 individuals. (Seen count period: Water-turkey, Hooded Merganser, Pigeon Hawk.)—Ida Arnold, Margaret Biglin, Ruth Byrd, John Douglass, Don Dye, Margaret Dye, James B. Fleugel, Brower Hall, Lenora Hortt, Arthur Inwood, Frank J. Ligas (compiler), A. G. McQuate, George Polk, Jane Polk, Eloise Runk (Broward County Audubon Society).

232. **Marathon, Fla.** (Key Vaca, Crawl Key, part of Grassy Key, connecting bridges; mud flats 15%, mangrove 10%, waterfront, docks 50%, open fields 10%, hammock 15%).—Dec. 25; 7 a.m. to 5 p.m. Partly cloudy to clear; temp. 68° to 76°; wind ESE, 15 m.p.h. Three observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). Pied-billed Grebe, 1; Brown Pelican, 67; Double-crested Cormorant, 83; Man-o'-war-bird, 6; Great White Heron, 8; Great Blue Heron, 2; Am. Egret, 5; Snowy Egret, 1; Louisiana Heron, 4; Little Blue Heron, 5; **Cattle Egret, 6**; Yellow-crowned Night Heron, 1; Red-breasted Merganser, 13; Turkey Vulture, 6; Broad-winged Hawk, 2; Marsh Hawk, 1; Osprey, 2; Pigeon Hawk, 1; Sparrow Hawk, 24; Piping Plover, 1; Ringed Plover, 29; Killdeer, 2; Black-bellied Plover, 18; Ruddy Turnstone, 40; Spotted Sandpiper, 1; Greater Yellow-legs, 1; Lesser Yellow-legs, 1; Least Sandpiper, 2; Red-backed Sandpiper, 2; dowitcher (sp.), 171; Semipalmated Sandpiper, 109; Sanderling, 19; Herring Gull, 6; Ring-billed Gull, 45; Laughing Gull, 461; Bonaparte's Gull, 1; Forster's Tern, 6; **Common Tern, 16**; Royal Tern, 106; Caspian Tern, 2; Black Skimmer, 18; Mourning Dove, 22; Ground Dove, 7; Ruby-throated Hummingbird, 2; Belted Kingfisher, 3; Red-bellied Woodpecker, 1; **Scissor-tailed Flycatcher, 1**; House Wren, 2; Mockingbird, 19; Catbird, 15; Am. Robin, 5; **Eastern Bluebird, 1** (all month); Blue-gray Gnatcatcher, 18; White-eyed Vireo, 5; Black and White Warbler, 1; Myrtle Warbler, 9; Yellow-throated Warbler, 1; Prairie Warbler, 1; Palm Warbler, 107; Northern Water-thrush, 1; Common Yellowthroat, 3; House Sparrow, 2; Red-winged Blackbird, 58; oriole (sp.), 1; Cardinal, 32; Painted Bunting, 2; Am. Goldfinch, 2; Savannah Sparrow, 6; **White-throated Sparrow, 1** (well-marked adult). **Total,** 69 species; about 1623 individuals. (Seen count period: **White-winged Dove,** Barn Owl, Chuck-will's-widow, Eastern Phoebe.)—Christine Bonney, Mary Crane, Margaret H. Hundley (compiler).

233. **Myakka River State Park, Fla.** (same area as 1956; 7½-mile radius centering on Main Gate on Route 72; low ground intermittently flooded 12%, river, lakes, ponds 4%, intermittent lakes 5%, fresh-water marshes 18%, fields, prairies, ranchlands 14%, mixed woods 42%, roadsides 5%).—Dec. 27; 7 a.m. to 5 p.m. Scattered clouds; temp. 61° to 72°; wind NW to N to NE, 10 m.p.h. Twenty-nine observers in 8 parties. Total party-hours, 52 (15 on foot, 31 by car, 6 by boat); total party-miles, 175 (25 on foot, 132 by car, 18 by boat). Horned Grebe, 5; Pied-billed Grebe, 3; Double-crested Cormorant, 2; Water-turkey, **86**; Great Blue Heron, 51; Am. Egret, 151; Snowy Egret, 68; Louisiana Heron, 41; Little Blue Heron, 64; **Cattle Egret, 4**; Green Heron, 1; Black-crowned Night Heron, 3; Yellow-crowned Night Heron, 18; Am. Bittern, 2; Wood Ibis, 28; White Ibis, 1556; Mallard, 149; Mottled Duck, 377; Gadwall, 2; Am. Widgeon, 19; Pintail, 91; Green-winged Teal, 31; Blue-winged Teal, **985**; Shoveller, 1; **Wood Duck, 5**; Lesser Scaup, 62; Turkey Vulture, 287; Black Vulture, 170; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 25; Bald Eagle, 2; Marsh Hawk, 13; Audubon's Caracara, 2; Sparrow Hawk, 24; Bob-white, 97; Turkey, **183**; Sandhill Crane, 15; Florida Gallinule, 1; Am. Coot, 14; Ringed Plover, 1; Killdeer, 117; Wilson's Snipe, 60; Willet, 2; Greater Yellow-legs, 9; Lesser Yellow-legs, 18; dowitcher (sp.), 2; sandpiper (sp.), 79; Forster's Tern, 3; Mourning Dove, 69; Ground Dove, 53; Barred Owl, 2; Belted Kingfisher, 19; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 65; empidonax (sp.), **5**; Tree Swallow, **11,398**; Blue Jay, 83; Am. Crow, 94; Fish Crow, 3; Tufted Titmouse, 1; Carolina Wren, 5; Short-billed Marsh Wren, 1; Mockingbird, 138; Catbird, 21; Brown Thrasher, 10; Am. Robin, 1060; Hermit Thrush, 1; Eastern Bluebird, 67; Blue-gray Gnatcatcher, 63; Ruby-crowned Kinglet, 1; Water Pipit, 52; Loggerhead Shrike, 35; White-eyed Vireo, 2; Solitary Vireo, 2; Black and White Warbler, 4; Myrtle Warbler, 309; Pine Warbler, 1; Palm Warbler, **353** (both races); water-thrush (sp.), 1; Common Yellowthroat, 11; House Sparrow, 5; Eastern Meadowlark, 94; Red-winged Blackbird, 1049; **Rusty Blackbird, 6**; Boat-tailed Grackle, 34; Purple Grackle, 239; Cardinal, 67; Am. Goldfinch, 84; Eastern Towhee, 27; Savannah Sparrow, 7; Grasshopper Sparrow, 1; Chipping Sparrow, 10. **Total,** 93 species (1 additional subspecies); about 20,515 individuals. (Seen count week: **Blue Goose.**)—Harold Abbott, Charles Atwood, B. A. Barber, A. V. Behme, Jr., Mr. and Mrs. Harry Bower, Mr. and Mrs. A. C. Brettle, Mr. and Mrs. Talbot Brewer (compilers), Phillip Clark, Allen Crowley, Paula Dillman, Allen Hitch, Kathleen Houck, John Hullinger, Davies Lazear, Weston Lazear, Mary Miller, Mr. and Mrs. R. D. Morgan, Mrs. Mary A. Phillips, M. V. Phillips, Leslie Ryder, Rosaltha Sandors, Jack Schadow, Nellie Smith, Mrs. Carl Trube, Mrs. Emma Taylor.

234. **Panacea, Fla.** (same areas and habitats as in 1956 except for changes due to higher water

levels).—Jan. 1; 6:45 a.m. to 6:55 p.m. Overcast, occasional rain p.m.; temp. 62° to 48°; wind SW to NNW, 5-12 m.p.h. Thirteen observers in 6 parties. Total party-hours, 59½ (33¾ on foot, 16½ by car, 9¼ by boat); total party-miles, 199 (30 on foot, 144 by car, 25 by boat). Common Loon, **280**; **Red-throated Loon, 2** (B.L.M., L.E.W., H.G.L.); Horned Grebe, **143**; Pied-billed Grebe, 13; Brown Pelican, 12; Gannet, 7; Double-crested Cormorant, 295; Water-turkey, 1; Great Blue Heron, 16; Am. Egret, 12; Snowy Egret, 1; Louisiana Heron, 15; Little Blue Heron, 6; Black-crowned Night Heron, 1; Canada Goose, 550; Black Duck, 14; Am. Widgeon, 90; Pintail, 37; Green-winged Teal, 1; Redhead, 405; Canvas-back, 2; Greater Scaup, **14**; Lesser Scaup, 400; scaup (sp.), 3580; Am. Golden-eye, **82**; Buffle-head, **95**; **White-winged Scoter, 1**; **Surf Scoter, 3**; **Am. Scoter, 3** (other records of all 3 scoters this winter); Hooded Merganser, 2; Red-breasted Merganser, 195; Turkey Vulture, 21; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Bald Eagle, 3; Marsh Hawk, 6; Osprey, 3; **Pigeon Hawk, 2**; Sparrow Hawk, 16; Bob-white, **34**; Turkey, 10; Clapper Rail, **14**; Virginia Rail, 1; Sora, 1; Am. Coot, 14; Am. Oyster-catcher, 1; Piping Plover, 17; Ringed Plover, 3; Killdeer, 14; Black-bellied Plover, 65; Ruddy Turnstone, 35; Wilson's Snipe, 3; Willet, 17; Greater Yellow-legs, 13; **Red Knot, 19** (B.L.M.); Least Sandpiper, 25; Red-backed Sandpiper, 265; Eastern Dowitcher, 2; Semi-palmated Sandpiper, 4; Western Sandpiper, 11; Sanderling, 145; Herring Gull, 190; Ring-billed Gull, **750**; Laughing Gull, **130**; Bonaparte's Gull, **96**; Forster's Tern, **170**; Common Tern, **4**; Royal Tern, **100**; Caspian Tern, 4; Black Skimmer, **125**; Mourning Dove, 11; Ground Dove, 17; Screech Owl, 1; Horned Owl, 1; Whip-poor-will, 1; Belted Kingfisher, 24; Yellow-shafted Flicker, 26; Pileated Woodpecker, 9; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 13; Downy Woodpecker, 7; Red-cockaded Woodpecker, 4; Eastern Phoebe, 28; Tree Swallow, 550; Blue Jay, 98; Am. Crow, 137; Fish Crow, 10; Carolina Chickadee, 35; Tufted Titmouse, 20; Brown-headed Nuthatch, 18; Brown Creeper, 1; House Wren, 23; Carolina Wren, 22; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 1; Mockingbird, 95; Catbird, 20; Brown Thrasher, 53; Am. Robin, 780; Hermit Thrush, 8; Eastern Bluebird, 155; Blue-gray Gnatcatcher, 15; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 94; Water Pipit, 40; Cedar Waxwing, 68; Loggerhead Shrike, 13; White-eyed Vireo, 1; Solitary Vireo, 5; Black and White Warbler, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 580; **Black-throated Gray Warbler, 1** (carefully identified at close range—K.Z.); Yellow-throated Warbler, 3; Pine Warbler, 45; Palm Warbler, 18; Common Yellowthroat, 27; House Sparrow, 25; Eastern Meadowlark, 39; Red-winged Blackbird, 760; Boat-tailed Grackle, 50; Purple Grackle, 30; Brown-headed Cowbird, 3; Cardinal, **140**; **Indigo Bunting, 2** (B.L.M.); Purple Finch, 1; **Pine Siskin, 1** (B.L.M.); Am. Goldfinch, 32; Eastern Towhee, **315**; Savannah Sparrow, 11; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 75; Pine-woods Sparrow, 4; Chipping Sparrow, 33; Field Sparrow, 150; White-throated Sparrow, **235**; Swamp Sparrow, 46; Song Sparrow, 40. **Total,** 142 species; about 13,732 individuals.—Bob Ball, Kenneth Ball, Pearl K. Ball, Eugene H. Driver, Gilbert C. Hughes, Horace G. Loftin, Janice Loftin, Burt L. Monroe, Jr., Storrs Olson, Henry M. Stevenson (compiler), Lovett E. Williams, Karl and Marion Zerbe.

235. Pensacola, Fla. (same area as past 2 years, including Garcon Point, all within 15-mile diameter circle; city and suburban 8%, bay shores and open bay 21%, scrub oak 2%, Live Oak and deciduous woods 20%, pine woods 16%, pasture and cut-over woods 21%, wooded swamps 2%, fresh-water ponds 4%, salt and brackish marsh 4%, Gulf beach and dunes 2%).—Dec. 28; 6:45 a.m. to 5:15 p.m. Rain part a.m., cloudy p.m.; temp. 52° to 63°; wind SSE to NNW, 15-12 m.p.h. Sixteen observers in 4 parties. Total party-hours, 38 (20 on foot, 18 by car); total party-miles, 191 (15 on foot, 176 by car). Common Loon, 51; Horned Grebe, 42; Pied-billed Grebe, 12; Brown Pelican, 20; Gannet, 14; Double-crested Cormorant, 171; Great Blue Heron, 9; Am. Egret, 2; Blue Goose, 1; Black Duck, 1; Wood Duck, 3; Lesser Scaup, 590; Am. Golden-eye, 11; Buffle-head, 24; Hooded Merganser, 3; Red-breasted Merganser, 124; Turkey Vulture, 14; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 3; Marsh Hawk, 12; Pigeon Hawk, 1; Sparrow Hawk, 23; Bob-white, 7; Clapper Rail, 6; Piping Plover, 2; Ringed Plover, 4; Killdeer, 37; Black-bellied Plover, 12; Wilson's Snipe, 10; Spotted Sandpiper, 1; Greater Yellow-legs, 9; Red-backed Sandpiper, 18; Sanderling, 15; Herring Gull, 113; Ring-billed Gull, 344; Laughing Gull, 87; Bonaparte's Gull, 12; Forster's Tern, 29; Common Tern, 6; Royal Tern, 68; Mourning Dove, 60; Belted Kingfisher, 20; Yellow-shafted Flicker, 35; Pileated Woodpecker, 2; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 8; Eastern Phoebe, 29; Tree Swallow, 34; Blue Jay, 131; Am. Crow and Fish Crow, 136; Carolina Chickadee, 22; Tufted Titmouse, 29; Brown-headed Nuthatch, 3; House Wren, 16; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 23; Long-billed Marsh Wren, 20; Short-billed Marsh Wren, 34; Mockingbird, 99; Catbird, 3; Brown Thrasher, 49; Am. Robin, 849; Hermit Thrush, 25; Eastern Bluebird, 125; Blue-gray Gnatcatcher, 30; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 108; Water Pipit, 4; Loggerhead Shrike, 25; Common Starling, **111,600**; Solitary Vireo, 10; Black and White Warbler, 1; Orange-crowned Warbler, 13; Myrtle Warbler, 620; Pine Warbler, 88; Palm Warbler, 8; Common Yellow-throat, 13; House Sparrow, 97; Eastern Meadow-lark, 146; Red-winged Blackbird, **674,250**; Brewer's Blackbird, **4650**; Purple Grackle, 13; Brown-headed Cowbird, **139,500**; Cardinal, 67; Am. Goldfinch, 291; Eastern Towhee, 109; Savannah Sparrow, 110; Grasshopper Sparrow, 1; **Leconte's Sparrow, 1**

(B.L.M.); Sharp-tailed Sparrow, 22; Seaside Sparrow, 21; Vesper Sparrow, 89; Pine-woods Sparrow, 8; Slate-colored Junco, 12; Chipping Sparrow, 187; Field Sparrow, 233; White-throated Sparrow, 703; Swamp Sparrow, 69; Song Sparrow, 35. **Total,** 106 species; about 936,851 individuals. (Seen in area count period: Canvas-back, Greater Scaup, Brown Creeper, Cedar Waxwing, White-eyed Vireo, **Pine Siskin.**)—Joyce T. Baxter, Frank Bray, Lyman E. Goodnight, Charles J. Kahn, Angus M. McMillan, Jr., Neil F. McMillan, Burt L. Monroe, Jr., Lennie E. Pate, Alan C. Sheppard, Carl H. Struck, Jr., Geneva W. Wagner, James R. Wagner, Maleta M. Wernicke, Francis M. Weston (compiler), A. Frederick Wicke, Jr., Virginia Wicke.

236. **St. Marks, Fla.** (same areas and habitats as in 1956 except for changes due to higher water levels).—Dec. 27; 6:30 a.m. to 6:35 p.m. Clear; temp. 39° to 65°; wind ESE, 2-8 m.p.h. Fifteen observers in 8 parties. Total party-hours, 84 (59½ on foot, 7 by car, 17½ by boat); total party-miles, 235 (48 on foot, 130 by car, 57 by boat). Common Loon, 51; **Red-necked Grebe, 2** (carefully identified—H.L.S., L.N.); Horned Grebe, 91; Pied-billed Grebe, 118; Brown Pelican, 1; Double-crested Cormorant, 360; Water-turkey, 26; Great Blue Heron, 60; Am. Egret, 325; Snowy Egret, 26; Louisiana Heron, 22; Little Blue Heron, 41; Black-crowned Night Heron, 10; night heron (sp.), 1; Am. Bittern, 1; Canada Goose, 5900; Snow Goose, 2; Blue Goose, 6; Mallard, 45; Black Duck, 52; Gadwall, 150; Am. Widgeon, 185; Pintail, 275; Green-winged Teal, 33; Blue-winged Teal, 7; Shoveller, 31; Wood Duck, 4; Redhead, 2300; Ring-necked Duck, 47; Canvas-back, 18; Greater Scaup, 7; Lesser Scaup, 400; scaup (sp.), 1300; Am. Golden-eye, 43; Bufflehead, 195; **White-winged Scoter, 12** (H.L.S., L.N.); Ruddy Duck, 72; Hooded Merganser, 9; **Am. Merganser, 1** (carefully identified—H.L.S., L.N.); Red-breasted Merganser, 200; Turkey Vulture, 220; Black Vulture, 136; Sharp-shinned Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 12; Bald Eagle, 4; Marsh Hawk, 11; Osprey, 1; Sparrow Hawk, 13; Bob-white, 1; Limpkin, 6; Clapper Rail, 6; Sora, 11; Florida Gallinule, 35; Am. Coot, 2030; Ringed Plover, 8; Killdeer, 27; Black-bellied Plover, 11; Ruddy Turnstone, 10; Wilson's Snipe, 16; Willet, 20; Greater Yellow-legs, 5; yellow-legs (sp.), 3; Least Sandpiper, 2; Red-backed Sandpiper, 160; dowitcher (sp.), 50; Western Sandpiper, 3; Sanderling, 32; Herring Gull, 64; Ring-billed Gull, 860; Laughing Gull, 1; Forster's Tern, 29; Royal Tern, 9; Mourning Dove, 6; Ground Dove, 4; Screech Owl, 2; Horned Owl, 2; Barred Owl, 10; Belted Kingfisher, 46; Yellow-shafted Flicker, 48; Pileated Woodpecker, 20; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 1; Downy Woodpecker, 14; Red-cockaded Woodpecker, 1; Eastern Phoebe, 64; Tree Swallow, 4700; Blue Jay, 73; Am. Crow, 80; Fish Crow, 4; Carolina Chickadee, 28; Tufted Titmouse, 24; Brown-headed Nuthatch, 7; Brown Creeper, 4; House Wren, 32; Winter Wren, 2; Carolina Wren, 39; Long-billed Marsh Wren, 8; Short-billed Marsh Wren, 6; Mockingbird, 100; Catbird, 15; Brown Thrasher, 73; Am. Robin, 1140; Hermit Thrush, 17; Eastern Bluebird, 105; Blue-gray Gnatcatcher, 28; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 166; Water Pipit, 45; Cedar Waxwing, 65; Loggerhead Shrike, 20; Common Starling, 80; White-eyed Vireo, 3; Solitary Vireo, 6; Black and White Warbler, 6; Orange-crowned Warbler, 11; Myrtle Warbler, 1165; Yellow-throated Warbler, 1; Pine Warbler, 27; Palm Warbler, 13; Common Yellowthroat, 39; House Sparrow, 12; Eastern Meadowlark, 160; Red-winged Blackbird, 6200; Boat-tailed Grackle, 130; Purple Grackle, 110; Cardinal, 93; Purple Finch, 6; **Pine Siskin, 3** (not rare this winter—H.M.S.); Am. Goldfinch, 120; Eastern Towhee, 194; Savannah Sparrow, 24; Grasshopper Sparrow, 1; **Henslow's Sparrow, 1** (carefully identified—Zerbe party); Sharp-tailed Sparrow, 1; Seaside Sparrow, 10; Vesper Sparrow, 13; Pine-woods Sparrow, 1; Slate-colored Junco, 13 (L.E.W., H.G.L.); Chipping Sparrow, 2; Field Sparrow, 43; White-throated Sparrow, 300; **Fox Sparrow, 1** (Zerbe party); Swamp Sparrow, 97; Song Sparrow, 65. **Total,** 144 species; about 32,251 individuals.—Ben Berkowitz, Eugene Cypert, Mary Lou Cypert, Robert J. Lemaire, Horace G. Loftin, Leon Neel, Storrs Olson, Ernest Stevenson, Henry M. Stevenson (compiler), Herbert L. Stoddard, Mrs. Frank H. Stoutamire, Richard L. West, Lovett E. Williams, Karl Zerbe, Marion Zerbe.

237. **St. Petersburg, Fla.** (Pinellas Peninsula south of Largo; salt and fresh-water shores 60%, field and marsh 25%, pineland and deciduous woods 5%, city streets 10%).—Dec. 28; 6:30 a.m. to 5:45 p.m. Foggy most of day; temp. 66° to 68°; wind light and variable. Twenty-six observers in 11 parties. Total party-hours, 89 (46 on foot, 43 by car); total party-miles, 275 (43 on foot, 232 by car). Common Loon, 7; Horned Grebe, 20; Pied-billed Grebe, 16; Brown Pelican, 90; Double-crested Cormorant, 126; Water-turkey, 31; Great Blue Heron, 24; Am. Egret, 66; Snowy Egret, 58; Louisiana Heron, 21; Little Blue Heron, 37; **Cattle Egret, 2** (carefully identified); Green Heron, 4; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 12; Wood Ibis, 2; White Ibis, 141; Mallard, 2; Blue-winged Teal, 1; Wood Duck, 1; Ring-necked Duck, 84; Lesser Scaup, 3870; **Buffle-head, 3**; Ruddy Duck, 9; Red-breasted Merganser, 116; Turkey Vulture, 37; Black Vulture, 52; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 9; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 26; Bob-white, 165; **Sandhill Crane, 1** (C.C.R.); Clapper Rail, 2; Sora, 3; Florida Gallinule, 80; Am. Coot, 148; Piping Plover, 1; Ringed Plover, 85; Wilson's Plover, 11; Killdeer, 132; Black-bellied Plover, 44; Ruddy Turnstone, 106; Wilson's Snipe, 38; Hudsonian Curlew, 4; Spotted Sandpiper, 21; Willet, 125; Greater Yellow-legs, 28; Lesser Yellow-legs, 5; Red Knot, 1; Least Sandpiper, 28; Red-backed Sandpiper, 68; dowitcher (sp.), 84; Semipalmated Sandpiper, 160; Western Sandpiper, 63; Marbled

Godwit, 37; Sanderling, 100; Herring Gull, 1439; Ring-billed Gull, 7043; Laughing Gull, 729; Bonaparte's Gull, 3; Forster's Tern, 45; Royal Tern, 55; Caspian Tern, 3; Black Skimmer, 207; Mourning Dove, 840; Ringed Turtle Dove, 8; Ground Dove, 84; Screech Owl, 1; Belted Kingfisher, 47; Yellow-shafted Flicker, 69; Red-bellied Woodpecker, 112; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Eastern Phoebe, 16; Tree Swallow, 9; **Rough-winged Swallow, 2**; Blue Jay, 213; Am. Crow, 1; Fish Crow, 345; Tufted Titmouse, 2; Brown-headed Nuthatch, 6; House Wren, 4; Carolina Wren, 4; Short-billed Marsh Wren, 5; Mockingbird, 423; Catbird, 21; Brown Thrasher, 2; Am. Robin, 6444; Hermit Thrush, 4; Eastern Bluebird, 60; Blue-gray Gnatcatcher, 14; Ruby-crowned Kinglet, 2; Water Pipit, 49; Loggerhead Shrike, 95; Common Starling, 72; White-eyed Vireo, 1; Solitary Vireo, 6; Black and White Warbler, 3; Orange-crowned Warbler, 1; Myrtle Warbler, 572; Yellow-throated Warbler, 6; Pine Warbler, 5; Prairie Warbler, 11; Palm Warbler, 101; Oven-bird, 2; Common Yellowthroat, 44; House Sparrow, 476; Eastern Meadowlark, 69; Red-winged Blackbird, 1201; Boat-tailed Grackle, 215; Purple Grackle, 26; Brown-headed Cowbird, 249; Cardinal, 87; Am. Goldfinch, 199; Eastern Towhee, 54; Savannah Sparrow, 15; Grasshopper Sparrow, 3; Pine-woods Sparrow, 4; Chipping Sparrow, 1; Field Sparrow, 1; Swamp Sparrow, 15; Song Sparrow, 1. **Total,** 126 species; about 28,272 individuals. (Seen in area count period: Downy Woodpecker, **Western Kingbird,** Long-billed Marsh Wren, La. Water-thrush, Painted Bunting.)—Edward J. Buchwald, Cleora Buchwald, Mr. and Mrs. Carmichael, Arthur Davidson, Rev. and Mrs. D. F. Dodd, Louise Forsyth, Mrs. Hanrahan, Winnie Horne, Mrs. Joy, Elizabeth Leach, Christie Mason, Mary Lou Mills, Daisie M. Morrison (compiler), Mrs. Newbound, Mrs. Pomeroy, Mrs. Pelton, C. C. Radder, H. S. Slocum, Mr. and Mrs. Frank Smith, Mrs. Ayers Stevens, Mr. and Mrs. John Stevens, Olga Zurcher.

238. Sarasota, Fla. (7½-mile radius same as in other years; gulf beach 11%, bay shore 22%, residential 10%, pine woods 6%, mixed woods 6%, fresh-water ponds 3%, ranches and farmlands 42%). —Jan. 1; 5:45 a.m. to 5 p.m. Cloudy, light rain all afternoon; temp 63° to 70°; wind N, 5 m.p.h. Twelve observers in 6 parties. Total party-hours, 47 (11 on foot, 34 by car, 2 by boat); total party-miles, 195 (17 on foot, 176 by car, 2 by boat). Common Loon, 6; **Red-throated Loon, 3** (carefully identified—2 parties); Horned Grebe, 1; Pied-billed Grebe, 9; Brown Pelican, 547; Double-crested Cormorant, 186; Water-turkey, 6; Great Blue Heron, 19; Am. Egret, 59; Snowy Egret, 120; Louisiana Heron, 13; Little Blue Heron, 133; **Cattle Egret, 7**; Green Heron, 4; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 2; Wood Ibis, 4; White Ibis, 77; Blue-winged Teal, 4; Lesser Scaup, 6; Red-breasted Merganser, 51; Turkey Vulture, 15; Black Vulture, 44; Red-tailed Hawk, 1; Red-shouldered Hawk, 7; Bald Eagle, 5; Marsh Hawk, 2; Sparrow Hawk, 48; Bob-white, 161; Sandhill Crane, 10; Sora, 1; Florida Gallinule, 7; Am. Coot, 16; Piping Plover, 5; Snowy Plover, 4; Ringed Plover, 6; Wilson's Plover, 33; Killdeer, 80; Black-bellied Plover, 32; Ruddy Turnstone, 89; Wilson's Snipe, 13; Spotted Sandpiper, 3; Willet, 55; Greater Yellow-legs, 29; Lesser Yellow-legs, 8; Red Knot, 32; Least Sandpiper, 19; Red-backed Sandpiper, 133; dowitcher (sp.), 33; Semipalmated Sandpiper, 6; Western Sandpiper, 21; Sanderling, 95; Herring Gull, 1300; Ring-billed Gull, 2550; Laughing Gull, 200; Bonaparte's Gull, 3; Forster's Tern, 61; Royal Tern, 216; Cabot's Tern, 7; Black Skimmer, 410; Mourning Dove, 270; Ground Dove, 57; Screech Owl, 1; Horned Owl, 3; Barred Owl, 5; Belted Kingfisher, 14; Yellow-shafted Flicker, 41; Pileated Woodpecker, 2; Red-bellied Woodpecker, 46; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 2; **Crested Flycatcher, 1**; Eastern Phoebe, 15; Tree Swallow, 570; Blue Jay, 111; Scrub Jay, 9; Am. Crow, 29; Fish Crow, 330; Tufted Titmouse, 14; Brown-headed Nuthatch, 6; House Wren, 14; Carolina Wren, 12; **Short-billed Marsh Wren, 1** (C.P.P.); Mockingbird, 260; Catbird, 33; Brown Thrasher, 8; Am. Robin, 3360; Eastern Bluebird, 74; Blue-gray Gnatcatcher, 52; Ruby-crowned Kinglet, 7; Water Pipit, 103; Loggerhead Shrike, 62; Common Starling, 23; White-eyed Vireo, 2; Solitary Vireo, 7; Black and White Warbler, 3; Orange-crowned Warbler, 2; Myrtle Warbler, 265; Yellow-throated Warbler, 11; Pine Warbler, 8; Prairie Warbler, 3; Palm Warbler, 180; Oven-bird, 2; Common Yellow-throat, 33; House Sparrow, 238; Eastern Meadow-lark, 91; Red-winged Blackbird, 1300; **Baltimore Oriole, 2** (J.P.); Boat-tailed Grackle, 161; Purple Grackle, 159; Brown-headed Cowbird, 470; Cardinal, 129; **Indigo Bunting, 1**; Painted Bunting, 10; Am. Goldfinch, 110; Eastern Towhee, 47; Savannah Sparrow, 58; Grasshopper Sparrow, 2; **Vesper Sparrow, 9**; **Lark Sparrow, 2**; Chipping Sparrow, 31; Swamp Sparrow, 4; Song Sparrow, 3. **Total,** 125 species (1 additional subspecies); about 15,906 individuals.—Charles W. Atwood, Mr. and Mrs. L. Roy Brace, Mrs. Leon H. Brown, George Dillman, Guy H. Goodman, Mrs. Gilbert Herringshaw, Mr. and Mrs. Joshua B. Platt, Charles P. Preston (compiler), Chandler Robbins, Jr., Mrs. Jack M. Rorimer (Sarasota Bird Club and guests).

239. Titusville–Merritt Island, Fla. (15-mile diameter from ocean to 3 miles west of Indian River City, north-south diameter through Merritt Island; beach 1%, lagoons and ponds with adjacent marshlands 60%, pinelands 8%, scrub 4%, palmetto 2%, Indian River shores 25%).—Dec. 30; 7 a.m. to 5 p.m. Fair; temp. 60° to 70°; wind NE, 0-15 m.p.h. Fifteen observers in 4 parties. Total party-hours, 38 (13 on foot, 25 by car); total party-miles, 153 (13 on foot, 140 by car). Common Loon, 2; Horned Grebe, 65; Pied-billed Grebe, 144; Brown Pelican, 88; Gannet, **215**; Double-crested Cormorant, 451; Man-o'-war-bird, 1; Great Blue Heron, 21; Am. Egret, 57; Snowy Egret, 10; Louisiana Heron, 24;

Little Blue Heron, 77; Green Heron, 4; Black-crowned Night Heron, 1; Am. Bittern, 3; Wood Ibis, 6; White Ibis, 39; Redhead, 1; Canvas-back, 3; Lesser Scaup, 1484; Hooded Merganser, 2; Red-breasted Merganser, 6; Turkey Vulture, 46; Black Vulture, 19; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 11; Sparrow Hawk, 49; Bob-white, 40; King Rail, 2; Clapper Rail, 3; Sora, 6; **Black Rail,** 1 (carefully identified—C.R.M.); Florida Gallinule, 2; Am. Coot, 365; Ringed Plover, 1; Killdeer, 25; Black-bellied Plover, 13; Ruddy Turnstone, 48; Wilson's Snipe, 12; Spotted Sandpiper, 4; Willet, 5; Greater Yellow-legs, 6; Lesser Yellow-legs, 5; Least Sandpiper, 14; Red-backed Sandpiper, 33; Semipalmated Sandpiper, 5; Sanderling, 93; **Great Black-backed Gull,** 2; Herring Gull, 48; Ring-billed Gull, 457; Laughing Gull, 26; Bonaparte's Gull, 2; Forster's Tern, 16; Common Tern, 2; Royal Tern, 139; Caspian Tern, 2; Mourning Dove, 13; Ground Dove, 22; Horned Owl, 1; Belted Kingfisher, 30; Yellow-shafted Flicker, 19; Pileated Woodpecker, 5; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Eastern Phoebe, 38; Tree Swallow, 606; Blue Jay, 24; Scrub Jay, 44; Am. Crow, **125**; Fish Crow, 345; House Wren, 11; Carolina Wren, 8; Mockingbird, 181; Catbird, 24; Brown Thrasher, 4; Am. Robin, 615; Eastern Bluebird, 32; Blue-gray Gnatcatcher, 21; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 15; Common Starling, 83; White-eyed Vireo, 2; Solitary Vireo, 1; Orange-crowned Warbler, 3; Myrtle Warbler, 274; Pine Warbler, 3; Prairie Warbler, 2; Palm Warbler, 25; Common Yellowthroat, 32; House Sparrow, 29; Eastern Meadowlark, 20; Red-winged Blackbird, 309; Boat-tailed Grackle, 46; Purple Grackle, 19; Cardinal, 36; Am. Goldfinch, **455**; Eastern Towhee, 51; Savannah Sparrow, 66; Grasshopper Sparrow, 5; Dusky Seaside Sparrow, **18**; Chipping Sparrow, 82; Field Sparrow, 10; White-throated Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 3. **Total,** 109 species; about 8001 individuals.—Fred J. Ackerman, Betty Ball, Kenneth Ball, Rose Block, Mrs. Richard Boynton, Dorcas Brigham, W. M. Davidson (compiler), Priscilla Fairbanks, W. J. Fairbanks, Lydia Hamilton, T. C. Henry, C. Russell Mason, Rae Moody, Lucile Norton, Doris Thompson.

240. West Palm Beach, Fla. (7½-mile radius centering on Belvedere Rd. about 2 miles west of Poinsettia, including Lake Magnolia, Clear Lake, Lake Clarke, part of Lake Osborn, Lake Worth from Riviera Beach Bridge to 1/3 mile north of Lantana Bridge, Palm Beach Canal from Lake Worth to U. S. 441; ocean 28%, scrubby fields 22%, scrubby swamp 14%, suburban 19%, urban 11%, salt-water lake 3%, fresh-water lakes and canals 3%).—Dec. 28; 6:30 a.m. to 7 p.m. Overcast a.m., showers p.m.; temp. 76° to 67°; wind SSE, 21 m.p.h. Seventeen observers in 4 parties. Total party-hours, 130 (32 on foot, 98 by car); total party-miles, 175 (55 on foot, 120 by car). Pied-billed Grebe, 7; Brown Pelican, 53; Double-crested Cormorant, 32; Water-turkey, 5; Great Blue Heron, 43; Am. Egret, 62; Snowy Egret, 29; Louisiana Heron, 14; Little Blue Heron, 519; Cattle Egret, 119; Green Heron, 7; Wood Ibis, 32; White Ibis, 213; Mottled Duck, 6; Blue-winged Teal, 2; Lesser Scaup, 542; Red-breasted Merganser, 5; Turkey Vulture, 70; Black Vulture, 25; Sharp-shinned Hawk, 6; Red-shouldered Hawk, 2; Broad-winged Hawk, 1; Marsh Hawk, 5; Osprey, 1; Sparrow Hawk, 80; Bob-white, 9; Sandhill Crane, 3; Limpkin, 1; Florida Gallinule, 16; Am. Coot, 360; Ringed Plover, 3; Killdeer, 30; Black-bellied Plover, 6; Ruddy Turnstone, 54; Am. Woodcock, 1; Wilson's Snipe, 2; Spotted Sandpiper, 1; Least Sandpiper, 60; Semipalmated Sandpiper, 3; Sanderling, 90; Herring Gull, 13; Ring-billed Gull, 2219; Laughing Gull, 13; Bonaparte's Gull, 2; Royal Tern, 35; Caspian Tern, 2; Black Skimmer, 5; Mourning Dove, 159; Ground Dove, 18; Barred Owl, 1; Ruby-throated Hummingbird, 2; Belted Kingfisher, 29; Yellow-shafted Flicker, 26; Pileated Woodpecker, 1; Red-bellied Woodpecker, 30; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Eastern Phoebe, 41; Tree Swallow, 12; Blue Jay, 9; Am. Crow, 158; Fish Crow, 710; House Wren, 11; Carolina Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 101; Catbird, 8; Am. Robin, 204; Blue-gray Gnatcatcher, 18; Ruby-crowned Kinglet, 5; Loggerhead Shrike, 56; White-eyed Vireo, 1; Solitary Vireo, 2; Black and White Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 87; Yellow-throated Warbler, 1; Pine Warbler, 2; Palm Warbler, 128; Common Yellowthroat, 22; **Am. Redstart,** 1; House Sparrow, 291; Eastern Meadowlark, 166; Red-winged Blackbird, 647; oriole (sp.), 1; Boat-tailed Grackle, 92; Purple Grackle, 29; Cardinal, 71; Painted Bunting, 13; Am. Goldfinch, 26; Eastern Towhee, 9; Savannah Sparrow, 7; Chipping Sparrow, 1; Field Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 6. **Total,** 96 species; about 8027 individuals. [Two Olive-sided Flycatchers reported without details and not even underlined as unusual were removed from the list—Ed.] (Seen in area count period: Horned Grebe, Canvas-back, Ring-necked Duck, White-winged Scoter, Purple Gallinule, Sora, Wilson's Plover, Screech Owl, Scrub Jay.)—Mrs. D. E. Carman, Mrs. E. A. Dillard, E. A. Dillard, Mrs. Walter Herget, Walter Herget, Mrs. Milton Krantz, Milton Krantz, H. P. Langbridge, Mrs. Milton Nelson, Mrs. Simon Olson (compiler), Mrs. B. H. Rigg, Benjamin H. Rigg (co-compiler), Mrs. Eleanor Smith, Mrs. Folmer Sorensen, Mrs. Alice Swain, Mrs. F. L. Sterns, Mrs. F. I. Truxel.

241. Ashland, Ohio (regular area at Charles Mill Dam Reservoir plus Moherman farm NW of Jeromesville and Goose Pond in eastern Ashland County; deciduous woods 35%, fields 25%, cultivated fields 5%, marsh and bushy swamps 25%, roadsides 8%, pine plantings 2%).—Dec. 29; 7:30 a.m. to 5:15 p.m. Clear; temp. 24° to 45°; wind SW, 0-15 m.p.h.; ground bare, lake open. Seventeen observers in 6 parties. Total party-hours, 38; total party-miles, 36. Mallard, 150; Black Duck, 57; Canvas-back, 2;

Lesser Scaup, 2; Am. Golden-eye, 22; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 8; Ring-necked Pheasant, 2; Herring Gull, 7; Mourning Dove, 16; Barn Owl, 1; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 14; **Yellow-bellied Sapsucker, 1** (R.W.); Hairy Woodpecker, 13; Downy Woodpecker, 49; Horned Lark, 2; Blue Jay, 72; Black-capped Chickadee, 179; Tufted Titmouse, 88; White-breasted Nuthatch, 71; Red-breasted Nuthatch, 11; Carolina Wren, 7; Am. Robin, 7; Eastern Bluebird, 8; Golden-crowned Kinglet, 17; Cedar Waxwing, 2; Loggerhead Shrike, 1; Common Starling, 333; Myrtle Warbler, 1; House Sparrow, 199; **Bobolink, 1** (due to unprecedented date bird carefully studied under ideal conditions for 15 minutes—P.H.); Eastern Meadowlark, 3; Rusty Blackbird, 27; Cardinal, 201; Purple Finch, 18; **Pine Siskin, 2**; Am. Goldfinch, 115; Slate-colored Junco, 67; Am. Tree Sparrow, 292; White-throated Sparrow, 13; Swamp Sparrow, 4; Song Sparrow, 143. **Total,** 53 species; about 2268 individuals.—William Black, Byron L. Burnett, Donald Duncan, Carol Hartman, Ann Harwood, Paul D. Harwood, Sarah Harwood, Burton C. Kahl (compiler), S. M. Martin, Maurice Newkirk, C. S. Ross, Jon Shidler, Paul Thornburg, Thomas Thornburg, Jim Tipton, Robert Wolfgang, Joe Yeagle.

242. Ashtabula, Ohio (Lake Erie shore and lake plain from 1 mile west of Ashtabula to Ohio–Pennsylvania line near Conneaut, and inland south 7 miles; Lake Erie shore 25%, brushy lake plain 20%, streams and ponds 10%, deciduous woods with much hemlock 20%, upland farms 25%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Overcast; temp. 18° to 28°; wind WNW, 22-40 m.p.h.; ground bare, light driven snow morning, lake and rivers open, inland ponds slightly crusting with ice. Eighteen observers in 5 parties. Total party-hours, 38 (25 on foot, 13 by car); total party-miles, 257 (31 on foot, 226 by car). Mallard, 87; Black Duck, 12; Canvas-back, 16; Am. Golden-eye, 4; Buffle-head, 26; Hooded Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 4; Herring Gull, 405; Ring-billed Gull, 246; Mourning Dove, 29; Barn Owl, 1; Screech Owl, 2; Short-eared Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 18; Blue Jay, 12; Am. Crow, 11; Black-capped Chickadee, 133; Tufted Titmouse, 9; White-breasted Nuthatch, 14; Brown Creeper, 3; **Carolina Wren, 1; Ruby-crowned Kinglet, 1**; Gray Shrike, 2; Common Starling, 136; House Sparrow, 195; Cardinal, 75; Slate-colored Junco, 44; Am. Tree Sparrow, 52; **Field Sparrow, 16; Song Sparrow, 1. Total,** 36 species; about 1572 individuals. (Seen in area count period: Red-bellied Woodpecker, **Red-breasted Nuthatch, Eastern Towhee.**)—Jon Ahlquist, Dorland Blackman, Howard Blakeslee, Duane Ferris, Harold Miller, Lois Savage, Paul H. Savage (compiler), Constance Sheehan, Paul Sheehan, John Thayer, Howard P. Walding, Lucille Walding, Eloise Yocom, Frank L. Yocom.

243. Brecksville, Ohio (15-mile diameter circle, center 1 mile NW of Brecksville).—Dec. 28; 7:45 a.m. to 4 p.m. Cloudy, drizzle from noon on; temp. 35° to 40°; wind 15 m.p.h. Twelve observers in 7 parties. Total party-hours, 21 (17 on foot, 4 by car); total party-miles, 37 (17 on foot, 20 by car). Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 14; Ring-necked Pheasant, 1; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 4; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 13; Downy Woodpecker, 29; Blue Jay, 34; Black-capped Chickadee, 89; Tufted Titmouse, 57; White-breasted Nuthatch, 39; Red-breasted Nuthatch, 3; Brown Creeper, 2; Carolina Wren, 7; Golden-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 20; Myrtle Warbler, 6; House Sparrow, 233; Cardinal, 79; **Evening Grosbeak, 29**; Purple Finch, 21; Am. Goldfinch, 84; Slate-colored Junco, 37; Am. Tree Sparrow, 32; Song Sparrow, 7. **Total,** 34 species; about 856 individuals.—Alice Cull, Kathleen Hostetler (compiler); Dorothy Kuthler, Mrs. Russell Lewis, Geoffrey Lister, Michael Lister, Mrs. A. E. Luedy, R. C. McKay, Jerry Piskac, Mrs. T. Rodgers, Mrs. H. I. Smith, Mrs. Harold Wallin.

244. Buckeye Lake, Ohio (same area as in past 32 years; deciduous woodlands 60%, open farmland 30%, bushy swamp and cattail marsh 10%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 30° to 55°; wind S to SE, 0-5 m.p.h.; ground water-soaked, many temporary ponds 1/10 to more than 20 acres in size, lake level high, streams and canals bank-full. Twenty-three observers in 7 parties. Total party-hours, 90 (75 on foot, 15 by car); total party-miles, 248 (69 on foot, 179 by car). Pied-billed Grebe, 2; Great Blue Heron, 8; Black-crowned Night Heron, 1; Canada Goose, 10; Mallard, 159; Black Duck, 220; Gadwall, 1; Am. Widgeon, 1; Pintail, 3; Green-winged Teal, 1; Lesser Scaup, 10; Am. Golden-eye, 15; Buffle-head, 4; Old-squaw, 1; Ruddy Duck, 3; Hooded Merganser, 1; Am. Merganser, 15; Red-breasted Merganser, 1; Turkey Vulture, 1; Cooper's Hawk, 4; Red-tailed Hawk, 20; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 21; Bob-white, 228; Ring-necked Pheasant, 4; Am. Coot, 1; Herring Gull, 9; Ring-billed Gull, 2; Mourning Dove, 400; Barn Owl, 4; Screech Owl, 2; Horned Owl, 2; Barred Owl, 7; Belted Kingfisher, 9; Yellow-shafted Flicker, 90; Pileated Woodpecker, 5; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 189; Horned Lark, 209; Blue Jay, 187; Am. Crow, 10; Black-capped Chickadee, 17; Carolina Chickadee, 225; Tufted Titmouse, 199; White-breasted Nuthatch, 124; Red-breasted Nuthatch, 32; Brown Creeper, 32; Winter Wren, 3; Carolina Wren, 98; Mockingbird, 2; Am. Robin, 242; Eastern Blue-

bird, 58; Golden-crowned Kinglet, 37; Cedar Waxwing, 11; Loggerhead Shrike, 1; Common Starling, 2594; Myrtle Warbler, 7; House Sparrow, 1702; Eastern Meadowlark, 378; Red-winged Blackbird, 23; Rusty Blackbird, 14; Purple Grackle, 13; Brown-headed Cowbird, 38; Cardinal, 354; Purple Finch, 4; Am. Goldfinch, 152; Eastern Towhee, 2; Slate-colored Junco, 68; Am. Tree Sparrow, 599; White-crowned Sparrow, 2; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 347. **Total,** 79 species; about 9323 individuals. [Exceptionally neat, carefully prepared report—Ed.]—Mr. and Mrs. David F. Baker, Arthur C. Borror, Donald J. Borror, Audrey H. Claugus, John M. Condit, Gareth E. Gilbert, Charles R. Goslin, W. Kelton Jones, Irving Kassoy, Robert Kavanagh, Ernest Limes, Eugene Pierce, Ralph E. Ramey, Mr. and Mrs. Elliott F. Reichelderfer, Irvin B. Rickly, William D. Stull, Roderick Suthers, Edward S. Thomas, Tom Thomson, Milton B. Trautman (compiler), Walter A. Tucker (Wheaton Club and guests).

245. Bucyrus, Ohio (same area as previous years, Kuehnle and Rexroth farms and adjacent areas; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 14%, evergreen planting 1%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy to heavy snow squalls; temp. 30° to 33°; wind W, 15 m.p.h.; ground bare. Six observers in 2 parties. Total party-hours, 16 (15½ on foot, ½ by car); total party-miles, 25 (20 on foot, 5 by car). Mallard, 2; Red-tailed Hawk, 1; Bob-white, 40; Mourning Dove, 13; **Saw-whet Owl, 1** (all observers at 5 ft.); Red-bellied Woodpecker, 4; Red-headed Woodpecker, 25; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 28; Horned Lark, 5; Blue Jay, 34; chickadee (sp.), 64; Tufted Titmouse, 57; White-breasted Nuthatch, 31; Brown Creeper, 8; Carolina Wren, 1; Common Starling, 180; House Sparrow, 400; Cardinal, 54; Am. Goldfinch, 6; Slate-colored Junco, 40; Am. Tree Sparrow, 60; Song Sparrow, 41. **Total,** 24 species; about 1102 individuals. (Seen count week: Marsh Hawk, Yellow-shafted Flicker, Am. Crow, Red-breasted Nuthatch, Am. Robin, Eastern Meadowlark.)—Carolyn Kuehnle, Judy Kuehnle, Paul Kuehnle (compiler), Mrs. W. C. Knoblaugh, Robert H. Mills, Merlin C. Probst.

246. Burton, Ohio (7½-mile radius with center at Burton, including Punderson State Park, East Claridon Reservoir, Cuyahoga River Valley, south to Welshfield; coverage much the same as last year with more attention to open water).—Jan. 1; 7:30 a.m. to 5:30 p.m. Cloudy, light snow a.m.; temp. 25° to 18°; wind W, 12-25 m.p.h.; 2-in. snow on ground, lakes and Cuyahoga River open. Six observers in 4 parties. Total party-hours, 45 (32 on foot, 13 by car); total party-miles, 69 (22 on foot, 47 by car). Marsh Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 2; **Red-headed Woodpecker, 1**; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 30; Blue Jay, 6; Black-capped Chickadee, 35; Tufted Titmouse, 5; White-breasted Nuthatch, 7; Am. Robin, 1; Golden-crowned Kinglet, 6; Common Starling, 82; House Sparrow, 112; Cardinal, 25; Slate-colored Junco, 13; Am. Tree Sparrow, 35; Song Sparrow, 2. **Total,** 19 species; about 375 individuals.—Mary Andrews, Robert McCullough (compiler), Alan Nicol, Marie Patchin, Frank Samuel, Paul Smith.

247. Cadiz, Ohio (including Tappan Lake shores and areas covered for past 57 years; fields and roadsides 35%, deciduous woodland and brushy hillsides 30%, lake shore and pine groves 15%, strip-mined areas 10%, village yards 10%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Scattered clouds; temp. 35° to 47°; wind 5-10 m.p.h.; streams and lake open, one of most favorable days in history of count. Seven observers in 3 parties. Total party-hours, 42 (30 on foot, 12 by car); total party-miles, 105 (18 on foot, 87 by car). Great Blue Heron, 2; Black Duck, 5; Lesser Scaup, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Sparrow Hawk, 9; Ruffed Grouse, 2; Bob-white, 5; Killdeer, 9; **Least Sandpiper, 1** (carefully studied for several days at close range); Ring-billed Gull, 11; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 23; Blue Jay, **21**; Am. Crow, 10; Carolina Chickadee, 58; Tufted Titmouse, 20; White-breasted Nuthatch, 21; Carolina Wren, 17; Mockingbird, 2; Am. Robin, 58; Eastern Bluebird, 11; Golden-crowned Kinglet, 2; Common Starling, 102; House Sparrow, 56; Eastern Meadowlark, 39; Cardinal, **76**; Am. Goldfinch, 37; Slate-colored Junco, 51; Am. Tree Sparrow, 35; Field Sparrow, 1; Song Sparrow, 5. **Total,** 39 species; about 735 individuals. (Seen count period: Evening Grosbeak.)—Mary Ronsheim Ford, Tom Ford, Isabel Ronsheim, L. Milton Ronsheim, Clara C. Worley, David E. Worley, John G. Worley (compiler).

248. Cincinnati, Ohio (same area as previous 10 years).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 24° to 44°; wind S to SW, 2-8 m.p.h.; ponds open, rivers swollen. Seventy-three observers in 8 parties. Total party-hours, 117 (93 on foot, 20 by car, 4 by boat); total party-miles, 461 (113 on foot, 324 by car, 24 by boat). Pied-billed Grebe, 2; Great Blue Heron, 7; Black-crowned Night Heron, 1; Mallard, 305; Black Duck, **294**; Am. Widgeon, 5; Blue-winged Teal, 3; Ring-necked Duck, 1; Am. Golden-eye, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 11; Red-tailed Hawk, **24**; Red-shouldered Hawk, 17; Rough-legged Hawk, 1; Marsh Hawk, 5; **Peregrine Falcon, 1**; Sparrow Hawk, 29; Bob-white, 160; Killdeer, 16; Wilson's Snipe, 2; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 226; Barn Owl, 3; Screech Owl, 1; Horned Owl, 4; Barred Owl, 14; Belted Kingfisher, **21**; Yellow-shafted Flicker, 147; Red-bellied Woodpecker, 112; Red-headed Woodpecker, 75; Yellow-bellied Sapsucker, 18; Hairy Woodpecker, 19; Downy Woodpecker, **450**; Eastern Phoebe, 1; Horned Lark, 48; Blue Jay, 82; Am.

Crow, 282; Carolina Chickadee, **1150**; Tufted Titmouse, **787**; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 6; Brown Creeper, 15; House Wren, 1; Winter Wren, 2; Carolina Wren, 324; Mockingbird, 65; Am. Robin, 214; Eastern Bluebird, 199; Golden-crowned Kinglet, 11; Cedar Waxwing, 71; Common Starling, 2078; Myrtle Warbler, 58; Palm Warbler, 1; House Sparrow, 2135; Eastern Meadowlark, 139; Red-winged Blackbird, 46; Rusty Blackbird, 3; Purple Grackle, 4; Brown-headed Cowbird, 7; Cardinal, **1384**; **Evening Grosbeak, 4** (carefully identified); Purple Finch, 6; Am. Goldfinch, 454; Eastern Towhee, 16; Savannah Sparrow, 8; Vesper Sparrow, 1; Slate-colored Junco, 1356; Am. Tree Sparrow, 474; Chipping Sparrow, 2; Field Sparrow, 40; White-crowned Sparrow, 61; White-throated Sparrow, 95; Fox Sparrow, 3; Swamp Sparrow, 56; Song Sparrow, 992. **Total,** 76 species; about 14,688 individuals.—Jim Anderson, Ronald Austing, Tom Becker, Mr. and Mrs. W. Benway, Gretchen Bohlander, Louise Brinkmann, Elizabeth Brockschlager, David Brokaw, Mr. and Mrs. Ralph Carpenter, Margaret Chambers, Bill Corliss, Ralph Ewers, Ed Fairchild II, Paul Feist, Harrison Field, E. P. Floyd, W. W. Goodpaster, Dr. and Mrs. Jack Gottschang, David, Edwina and Gardner Griffin, Paula Hansley, Frank and Willis Harbaum, Paul Hellmann, Joe Higgins, Mrs. Robert Hoffman, Laura Howe, Paul Jansen, Myron Johnson, Jr., Emerson Kemsies, Miriam Klehm, Vivian Kunkel, Bob Kuntz, Alan Lana, Jonathan Lippincott, Karl and Peter Maslowski, Charles McCullough, W. H. Mers, Bruce Moorehead, Mike Naver, Roland Oliver, Paul Puttman, Harry and Joann Roach, Stanley Rowe, Stanley Rowe, Jr., Jim Schmidt, Jay Sheppard, Jay Shetterly, Neva Sjodahl, Sven Sjodahl (compiler), Aida, Bernice and Hester Stephenson, Herschel Stone, Ida Suttman, Gil Symons, C. J. Taylor, J. Wallace Taylor, Nancy Ulmer, Bill Wagner, Virginia Watts, Dave Werner, Sandra Woodward, Jean Wright, Howard and Phil Wunker, Mitchell Zavon (Cincinnati Bird Club and friends).

249. Cleveland, Ohio (same area as previous 10 years; beech–maple climax forest 20%, open fields or parks 15%, suburbs 35%, swamps 5%, thickets 10%, lake shore 15%).—Dec. 29; 8 a.m. to 5 p.m. Sunny; temp. 24° to 42°; wind S to SW, 12-18 m.p.h.; 1-2-in. snow on ground a.m., still water frozen. Thirty-one observers in 17 parties. Total party-hours, 115 (70 on foot, 45 by car); total party-miles, 385 (106 on foot, 279 by car). Horned Grebe, 4; Pied-billed Grebe, 1; Mallard, 231; Black Duck, 384; Am. Widgeon, 1; Redhead, 1; Canvas-back, 6; Lesser Scaup, 21; Am. Golden-eye, 53; Buffle-head, 1; Old-squaw, 1; Ruddy Duck, 148; Hooded Merganser, 1; Red-breasted Merganser, 5; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Broad-winged Hawk, 1 [no details, not even underlined as unusual—Ed.]; Sparrow Hawk, 9; Bob-white, 1; Ring-necked Pheasant, 2; Am. Coot, 7; Herring Gull, 1386; Ring-billed Gull, 1482; Bonaparte's Gull, 763; Mourning Dove, 70; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 8; Yellow-shafted Flicker, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 80; Horned Lark, 18; Blue Jay, 43; Am. Crow, 9; Black-capped Chickadee, 359; Tufted Titmouse, 115; White-breasted Nuthatch, 98; Red-breasted Nuthatch, 3; Brown Creeper, 11; Carolina Wren, 8; Am. Robin, 13; Golden-crowned Kinglet, 23; **Ruby-crowned Kinglet, 1**; Cedar Waxwing, 17; Gray Shrike, 2; Common Starling, 707; Myrtle Warbler, 3; House Sparrow, 545; **Baltimore Oriole, 1** (well seen at close range); Purple Grackle, 1; Cardinal, 159; Evening Grosbeak, 1; Common Redpoll, 76; Am. Goldfinch, 38; Eastern Towhee, 2; Slate-colored Junco, 145; Am. Tree Sparrow, 120; Field Sparrow, 7; White-throated Sparrow, 1; Song Sparrow, 33; Snow Bunting, 2. **Total,** 66 species; about 7273 individuals.—L. P. Barbour, Mary Barbour, Mrs. R. V. D. Booth, Joseph Bush, Vera Carrothers, Adela Gaede, Carl Hamann, Constance Hamann, Neil Henderson, Nancy R. Klamm, W. A. Klamm, Charles Knight, Louella Literaty, Lucille Maly, Robert Maly, Howard Martin, David McConoughey, Frank P. McConoughey, David McKelvey, Gene Morton, Margaret Perner, Jerry Piskac, Marjorie Ramisch (compiler), Bertram Raynes, Margaret Raynes, Margaret Sherwin, Marian Skaggs, Merit B. Skaggs, Paul Smith, Mike Stasko, Bob Sullivan.

250. Columbus, Ohio (7½-mile radius centering near Fifth and Cassady Aves.; farmland 36%, town suburbs 27%, woodland 17%, wooded stream bank 17%, open grove 3%).—Dec. 29; 7 a.m. to 5 p.m. Fair; temp. 21° to 42°; wind S, 5-13 m.p.h.; heavy hoarfrost, ground otherwise bare, ponds and streams partly frozen. Thirty-one observers in 11 parties. Total party-hours, 105 (88 on foot, 17 by car); total party-miles, 248 (85 on foot, 163 by car). Mallard, 61; Black Duck, 313; Am. Widgeon, 2; Redhead, 4; Canvas-back, 18; Am. Golden-eye, 32; **Hooded Merganser, 10**; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 5; Sparrow Hawk, 33; Bob-white, 64; Ring-necked Pheasant, 18; Herring Gull, 14; **Ring-billed Gull, 16**; Mourning Dove, 140; Barn Owl, 2; Screech Owl, 1; Barred Owl, 3; **Long-eared Owl, 1**; Belted Kingfisher, 5; Yellow-shafted Flicker, 51; Pileated Woodpecker, 1; Red-bellied Woodpecker, 31; **Yellow-bellied Sapsucker, 2**; Hairy Woodpecker, 12; Downy Woodpecker, **191**; Horned Lark, 15; Blue Jay, 84; Am. Crow, 60; **Black-capped** and Carolina Chickadee, **262** (9 Black-capped identified by 4 parties); Tufted Titmouse, 198; White-breasted Nuthatch, **118**; Red-breasted Nuthatch, 7; Brown Creeper, 17; Winter Wren, 9; Carolina Wren, **49**; Mockingbird, 11; Am. Robin, 39; Eastern Bluebird, 29; Golden-crowned Kinglet, 25; Common Starling, 1615; Myrtle Warbler, 4; House Sparrow, 1496; Eastern Meadowlark, 8; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 320; Purple Finch, 4; Am. Goldfinch, 45; Slate-colored Junco, 282; Am. Tree Sparrow, 306; **Swamp Sparrow, 2**; Song Sparrow, 133. **Total,** 55 species; about 6178 individuals.—David F. Baker, Mr. and Mrs. Arthur C. Borror, Donald J. Borror,

Harold E. Burtt, Audrey H. Claugus, Lewis M. Cravey, Robert G. Fankhauser, David M. Gillespie, Kelton W. Jones, Mr. and Mrs. Arthur S. Kiefer, Charles Kohler, Harry Kohler, Ernest Limes, Mrs. Milford Markham, Eugene H. Pierce, T. H. Reamer, Mr. and Mrs. E. F. Reichelderfer, Mrs. Alice F. Reynolds, Mr. and Mrs. Irvin B. Rickly, Mr. and Mrs. Henry W. Schuer, Dr. and Mrs. Edward S. Thomas (compilers), John S. Thomas, Nelson P. Thompson, Milton B. Trautman, Walter A. Tucker (Columbus Audubon Society).

251. Cuyahoga Falls, Ohio (7½-mile radius centering on the square of Cuyahoga Falls, same area as last year; deciduous woods 45%, lakes and lakeshores 21%, valley of Cuyahoga River 20%, fields and farmland 10%, college campus, golf-course, parkland 2%, swamps 2%, 9 feeding stations).—Dec. 28; 7:30 a.m. to 5:30 p.m. Overcast, drizzle 2 hours a.m., 1½ hours p.m.; temp. 34° to 40°; wind W to NW, 3-7 m.p.h. Twenty-two observers in 15 parties. Total party-hours, 83 (45 on foot, 38 by car); total party-miles, 237 (44 on foot, 193 by car). Mallard, 147; Black Duck, 440; Gadwall, 40; Green-winged Teal, 3; Blue-winged Teal, 1; Canvas-back, 4; Lesser Scaup, 1; Am. Golden-eye, 24; Buffle-head, 1; Ruddy Duck, 1; Hooded Merganser, 5; Am. Merganser, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 6; Bob-white, 77; Ring-necked Pheasant, 12; Am. Coot, 59; Herring Gull, 9; Ring-billed Gull, 41; Mourning Dove, 16; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 33; Downy Woodpecker, 110; Horned Lark, 9; Blue Jay, 74; Am. Crow, 4; Black-capped Chickadee, 264; Tufted Titmouse, 95; White-breasted Nuthatch, 73; Red-breasted Nuthatch, 3; Brown Creeper, 9; Carolina Wren, 4; Am. Robin, 52; Eastern Bluebird, 8; Golden-crowned Kinglet, 8; Cedar Waxwing, 6; Common Starling, 1355; House Sparrow, 652; Purple Grackle, 2; Cardinal, 122; Purple Finch, 1; Am. Goldfinch, 12; Slate-colored Junco, 131; Am. Tree Sparrow, 164; White-crowned Sparrow, 1; Swamp Sparrow, 20; Song Sparrow, 24. **Total,** 53 species; about 4140 individuals—Ruth E. Dyer, Mrs. F. R. Fouse, Mrs. C. C. Gardner, Mrs. E. G. Harmon, Mrs. Helen Hughey, Mrs. Donato Internoscia, Charles H. Knight, Mrs. Grace Leathers, Mr. and Mrs. F. M. McLaughlin, Gilbert Newman, Mrs. R. J. Preston, Emmett L. Shellenberger (compiler), Mr. and Mrs. Fred Staiger, Mrs. Marion Stanton, Earl Swickard, Mrs. Thurman Taylor, Thomas Ulrich, Mr. and Mrs. George Wiley.

252. Dayton, Ohio (nearly same areas as in last 27 years).—Dec. 29; 7 a.m. to 6 p.m. Clear; temp. 23° to 40°; wind SSW, 8-17 m.p.h.; ground bare, some ice in lakes. Thirty observers in 9 parties. Total party-hours, 51 (42 on foot, 9 by car); total party-miles, 193 (44 on foot, 149 by car). Great Blue Heron, 4; Black-crowned Night Heron, 16; **Yellow-crowned Night Heron, 1** (second count record, carefully identified); Mallard, 102; Black Duck, 2; **Blue-winged Teal,** 1; Lesser Scaup, 13; Cooper's Hawk, 6; Red-tailed Hawk, 4; Red-shouldered Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 15; Bob-white, 47; Ring-necked Pheasant, 11; Killdeer, 4; Herring Gull, 3; Mourning Dove, 60; Barn Owl, 3; Screech Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 79; Horned Lark, 5; Blue Jay, 21; Am. Crow, 3032; Black-capped Chickadee, 5; Carolina Chickadee, 138; Tufted Titmouse, 79; White-breasted Nuthatch, 39; Brown Creeper, 18; **House Wren,** 1; Winter Wren, 5; Carolina Wren, 38; Mockingbird, 9; Am. Robin, 21; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Common Starling, 16,427; House Sparrow, 993; Purple Grackle, 1; Cardinal, 141; Purple Finch, 19; Am. Goldfinch, 12; Slate-colored Junco, 204; Am. Tree Sparrow, 2; Field Sparrow, 5; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 62. **Total,** 52 species; about 21,691 individuals.—Mervil Anthony, Charles Argast, Elizabeth Argast, Ben J. Blincoe (compiler), Mary E. Caldwell, Charles Briesh, John Confer, Leonard Confer, Mary Confer, C. O. Horst, Walter Horst, John R. Forbes, Norma Hime, Catherine Hadeler, Paul Knoop, E. J. Koestner, James McMahon, Charles Shawen, Mr. and Mrs. Herbert Shinkle, J. A. Williams, C. D. Williams, Billy Williams, R. A. Williams (Dayton Audubon Society).

253. Delaware, Ohio (same area as last 3 years).—Dec. 26; 8 a.m. to 5 p.m. Overcast, intermittent rain; temp. 40° to 45°; wind SW, 10-20 m.p.h.; standing water on all but high ground. Sixteen observers in 6 parties. Total party-hours, 49 (41 on foot, 8 by car); total party-miles, 135 (49 on foot, 86 by car). Pied-billed Grebe, 2; Mallard, 21; Black Duck, 22; Canvas-back, 1; Am. Golden-eye, 11; Cooper's Hawk, 3; Red-tailed Hawk, 6; Marsh Hawk, 5; Sparrow Hawk, 1; Bob-white, 81; Ring-necked Pheasant, 9; Killdeer, 1; Herring Gull, 15; Ring-billed Gull, 16; Mourning Dove, 49; Barn Owl, 1; Screech Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 6; Hairy Woodpecker, 7; Downy Woodpecker, 51; Horned Lark, 7; Blue Jay, 44; Am. Crow, 10; Black-capped Chickadee, 18; Carolina Chickadee, 61; Tufted Titmouse, 65; White-breasted Nuthatch, 32; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 2; Mockingbird, 1; Am. Robin, 13; Eastern Bluebird, 4; Cedar Waxwing, 14; Common Starling, 240; House Sparrow, 309; Eastern Meadowlark, 8; Brown-headed Cowbird, 3; Cardinal, 84; Am. Goldfinch, 10; Vesper Sparrow, 2; Slate-colored Junco, 14; Am. Tree Sparrow, 834; Field Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 154. **Total,** 49 species; about 2265 individuals. [Exceptionally neat, carefully prepared report—Ed.]—Arthur C. Borror, A. S. Bradshaw, A. H. Claugus, G. H. Crowl, W. R. Diem, D. P. Irish, J. H. Lancaster, E. Limes, F. W. Logan, E. Pierce, L. N. Russell, E. B. Shirling, Elisabeth A. Stull, W. D. Stull (compiler), R. A. Suthers, H. H. Wyss, Jr.

254. Gypsum, Ohio (7½-mile radius from center of Gypsum, including Castalia, Sandusky Bay, Marblehead Peninsula; quarry 1%, marsh with open water 45%, lake shore 9%, open fields 25%, mixed deciduous and coniferous woods 20%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Light rain a.m., cloudy p.m.; temp. 35° to 45°; wind SW, 5-10 m.p.h. Seven observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 84 (4 on foot, 80 by car). Great Blue Heron, 8; Canada Goose, 4; Mallard, 2522; Black Duck, 2348; Gadwall, **38**; Am. Widgeon, 135; Pintail, 37; Shoveller, 6; Wood Duck, 1; Canvas-back, 40; Lesser Scaup, 3; Am. Golden-eye, 46; Buffle-head, 3; Hooded Merganser, 1; Am. Merganser, 411; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 116; **Turkey, 9** (released this spring); Herring Gull, 27; Ring-billed Gull, 154; Bonaparte's Gull, 16; Mourning Dove, 16; Screech Owl, 1; Horned Owl, 1; Yellow-shafted Flicker, 2; Downy Woodpecker, 14; Blue Jay, 4; Black-capped Chickadee, 7; Tufted Titmouse, 3; White-breasted Nuthatch, 5; Brown Creeper, 5; Mockingbird, 1; Am. Robin, 11; Golden-crowned Kinglet, 6; Gray Shrike, 1; Common Starling, 92; Myrtle Warbler, 6; House Sparrow, 107; Cardinal, 7; Am. Tree Sparrow, 60; **White-crowned Sparrow, 6** (carefully studied at close range); Song Sparrow, 6; Snow Bunting, 175. **Total,** 47 species; about 6471 individuals. (Am. Scoter, Glaucous Gull in area count period.)—John Anderson, Bob Crofts, George Elchisco, Harold Holt, Roger Jensen, Alta Smith, Laurel Van Camp.

255. Hamilton, Ohio (description of area illegible—Ed.).—Dec. 28; 8 a.m. to 5 p.m. Rainy a.m.; temp. 40° to 30°; wind 15-20 m.p.h. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 48 (8 on foot, 40 by car). Great Blue Heron, 5; Black-crowned Night Heron, 1; Mallard, 2; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 14; Bob-white, 22; Mourning Dove, 95; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 18; Blue Jay, 2; Am. Crow, 324; Carolina Chickadee, 52; Tufted Titmouse, 42; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 7; Mockingbird, 3; Am. Robin, 4; Eastern Bluebird, 4; Common Starling, 872; Myrtle Warbler, 2; House Sparrow, 473; Eastern Meadowlark, 29; Red-winged Blackbird, 12; Brown-headed Cowbird, 1; Cardinal, 116; Am. Goldfinch, 6; Slate-colored Junco, 22; Am. Tree Sparrow, 116; Song Sparrow, 47. **Total,** 36 species; about 2629 individuals.—Frank Harbaum (compiler), Willis Harbaum.

256. Hoover Reservoir, Ohio (valleys of Big Walnut with its new Hoover Reservoir and Alum Creek from Galena south for 15 miles; water and shore 50%, farmland 25%, thickets 10%, oak-swamp forest 15%).—Dec. 24; 7:30 a.m. to 5:30 p.m. Cloudy until 10 a.m., then clear; temp. 34° to 42°; wind NW, 5-20 m.p.h.; ground bare, waters unfrozen. Three observers in 2 parties. Total party-hours, 26 (8 on foot, 18 by car); total party-miles, 128 (8 on foot, 120 by car). Horned Grebe, 2; Great Blue Heron, 1; Canada Goose, 55; Mallard, 600; Black Duck, 3164; Gadwall, 1; Am. Widgeon, 2; Pintail, 4; Green-winged Teal, 2; Redhead, 3; Canvas-back, 3; Lesser Scaup, 2; Am. Golden-eye, 17; Buffle-head, 1; Ruddy Duck, 4; Hooded Merganser, 4; Am. Merganser, 9; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 6; Bob-white, 14; Ring-necked Pheasant, 1; Killdeer, 4; Herring Gull, 5; Mourning Dove, 27; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 44; Horned Lark, 9; Blue Jay, 16; Am. Crow, 4; Black-capped Chickadee, 1; Carolina Chickadee, 30; Tufted Titmouse, 42; White-breasted Nuthatch, 13; Brown Creeper, 3; Carolina Wren, 6; Mockingbird, 2; Am. Robin, 7; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Common Starling, 200; Myrtle Warbler, 1; House Sparrow, 175; Eastern Meadowlark, 8; Red-winged Blackbird, 3; Cardinal, 62; Am. Goldfinch, 8; Slate-colored Junco, 21; Am. Tree Sparrow, 30; Field Sparrow, 2; White-crowned Sparrow, 12; Song Sparrow, 11. **Total,** 60 species; about 4664 individuals.—A. H. Claugus, Ernie Limes, Tom Thomson (compiler).

257. Indian Lake, Ohio (shoreline and adjacent land within 7 miles of its center as in previous years).—Dec. 23; 8 a.m. to 5:30 p.m. Clear a.m., cloudy p.m.; temp. 42° to 62°; wind SSW, 20 to 40 m.p.h.; ground bare, lake and streams open. Four observers in 2 parties. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 80 (4 on foot, 76 by car). Canada Goose, 9; Mallard, 300; Black Duck, 500; Am. Golden-eye, 2; Am. Merganser, 1; Bob-white, 2; Herring Gull, 56; Ring-billed Gull, 1; Mourning Dove, 32; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 20; Horned Lark, 2; Blue Jay, 16; Am. Crow, 1; Black-capped Chickadee, 3; Carolina Chickadee, 15; Tufted Titmouse, 42; White-breasted Nuthatch, 11; Brown Creeper, 5; Carolina Wren, 7; Am. Robin, 105; Golden-crowned Kinglet, 2; Common Starling, 110; Myrtle Warbler, 4; House Sparrow, 53; Eastern Meadowlark, 3; Red-winged Blackbird, 3; Rusty Blackbird, 1; Purple Grackle, 1; Cardinal, 24; Am. Goldfinch, 9; Am. Tree Sparrow, 13; Song Sparrow, 7. **Total,** 38 species; about 1387 individuals.—Dave Baker, A. H. Claugus (compiler), Ernie Limes, Gene Pierce.

258. Lakewood, Ohio (same area as last year).—Dec. 22; 7:30 a.m. to 6 p.m. Sunny; temp. 34° to 55°; wind W, 1-5 m.p.h.; ground bare, all water open. Thirty-two observers in 12 parties. Total party-hours, 69 (51 on foot, 18 by car); total party-miles, 273 (57 on foot, 216 by car). Horned Grebe, 2;

Great Blue Heron, 2; **Whistling Swan, 1**; Mallard, 111; Black Duck, 41; Canvas-back, 8; Greater Scaup, 300; Lesser Scaup, 5050; Am. Golden-eye, 933; Buffle-head, 90; White-winged Scoter, 2; **Surf Scoter, 1**; Ruddy Duck, **429**; Hooded Merganser, 30; Am. Merganser, 7; Red-breasted Merganser, 5; Cooper's Hawk, 1; **Red-tailed Hawk, 1**; Red-shouldered Hawk, 5; **Broad-winged Hawk, 3** (all field marks carefully studied); **Marsh Hawk, 1**; Sparrow Hawk, 3; Bob-white, **46**; Ring-necked Pheasant, 48; Killdeer, 2; Herring Gull, 775; Ring-billed Gull, 1394; Bonaparte's Gull, 300; Mourning Dove, 27; Horned Owl, 2; Belted Kingfisher, **11**; Yellow-shafted Flicker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, **118**; Horned Lark, 41; Blue Jay, 91; Am. Crow, 99; Black-capped Chickadee, **269**; Tufted Titmouse, **69**; White-breasted Nuthatch, **101**; Red-breasted Nuthatch, 1; Brown Creeper, 10; Winter Wren, 2; Carolina Wren, **24**; **Mockingbird, 1**; Am. Robin, 198; **Eastern Bluebird,** 2; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 2; Cedar Waxwing, 24; Common Starling, 743; House Sparrow, 727; Purple Grackle, 4; Brown-headed Cowbird, 1; Cardinal, 131; **Evening Grosbeak, 5**; Purple Finch, 27; Am. Goldfinch, 94; Eastern Towhee, 1; Slate-colored Junco, 205; Am. Tree Sparrow, 235; Field Sparrow, **11**; **White-crowned Sparrow, 1**; **Fox Sparrow, 1**; Song Sparrow, 26; Snow Bunting, 19. **Total,** 67 species; about 12,973 individuals. (Seen in area during period: **Pileated Woodpecker.**)—James F. Akers, Carl A. Baier, Donald N. Berendsen, Stanley E. Butler, Myron Owen Davies (compiler), Mr. and Mrs. Owen J. Davies, Mr. and Mrs. Donald S. Dean, Florence Gray, Neil Henderson, Mr. and Mrs. Roy D. Hudson, John Kason, Mr. and Mrs. William A. Klamm, Charles Koch, David McConoughey, Frank McConoughey, Henry N. Merkle, R. E. Schroeder, Walter Schuele, Edward F. Schuster, Mrs. Marian P. Schutler, Mike Stasko, Ted C. Stevens, Carol Stover, Mr. and Mrs. Fred J. Stover, T. C. Surrarrer, Allen E. Valentine, Daniel F. Waugh.

259. Lancaster, Ohio (3-mile radius centering on Broad and Main Sts., approximately same route as previous 32 years; farmland 6%, deciduous woods 37%, stream banks 12%, city suburbs 45%).—Dec. 29; 8 a.m. to 5:15 p.m. Clear; temp. 22° to 48°; wind NW, 2-5 m.p.h.; ground bare, ponds with skim ice, streams open. Four observers in 2 parties. Total party-hours, 15 (all on foot); total party-miles, 16 (all on foot). Cooper's Hawk, 3; Sparrow Hawk, 3; Bob-white, 24; Ring-necked Pheasant, 2; Mourning Dove, 130; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 19; Hairy Woodpecker, 4; Downy Woodpecker, 51; Blue Jay, 35; Am. Crow, 2; Carolina Chickadee, 95; Tufted Titmouse, 54; White-breasted Nuthatch, 36; Brown Creeper, 4; Carolina Wren, 21; Mockingbird, 1; Am. Robin, 110; Eastern Bluebird, 24; Golden-crowned Kinglet, 2; Cedar Waxwing, 15; Common Starling, 440; House Sparrow, 489; Eastern Meadowlark, 11; Purple Grackle, 2; Brown-headed Cowbird, 7; Cardinal, 167; Am. Goldfinch, 8; Eastern Towhee, 7; Slate-colored Junco, 106; Am. Tree Sparrow, 84; White-throated Sparrow, 2; Song Sparrow, 76. **Total,** 36 species; about 2056 individuals.—Florence Branum, Charles R. Goslin (compiler), Tom Guisinger, Charles H. Shaw.

260. Loramie Lake, Ohio (most of lake shoreline and spot checks of country within 7-mile radius of its center).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. 22° to 38°; wind WSW, 10 m.p.h.; ground bare, water open. One observer. Total hours, 9 (5 on foot, 4 by car); total miles, 70 (10 on foot, 60 by car). Great Blue Heron, 1; Mallard, 8; Ring-necked Duck, 10; Canvas-back, 4; Old-squaw, 1; Cooper's Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; **Am. Woodcock, 1**; Herring Gull, 6; Mourning Dove, 77; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 12; Horned Lark, 9; Blue Jay, 20; Am. Crow, 34; Carolina Chickadee, 4; Tufted Titmouse, 17; White-breasted Nuthatch, 18; Golden-crowned Kinglet, 8; Common Starling, 142; House Sparrow, 174; Eastern Meadowlark, 8; Cardinal, 33; Slate-colored Junco, 66; Am. Tree Sparrow, 104; Song Sparrow, 11. **Total,** 29 species; about 778 individuals.—Charles Bowie.

261. Mansfield, Ohio (same area as last year).—Dec. 30; 8:30 a.m. to 4:45 p.m.; temp. 34° to 41°; wind SW, 5 m.p.h. Three observers in 1 party. Total party-hours, 8¼ (7¼ on foot, 1 by car); total party-miles, 18 (6 on foot, 12 by car). Red-bellied Woodpecker, 3; Downy Woodpecker, 17; Black-capped Chickadee, 18; Tufted Titmouse, 6; White-breasted Nuthatch, 4; Brown Creeper, 1; Am. Robin, 3; Cardinal, 11; Slate-colored Junco, 22; Am. Tree Sparrow, 50; Song Sparrow, 3. **Total,** 11 species; 138 individuals.—L. S. Barr (compiler), Helen Lindbeck, Ruth Lindbeck.

262. Mohican State Forest, Ohio (State Park, Pleasant Hill Lake, Pine Run, Mohican River valley south to Spellacy, swamp areas north of Perrysville; beech–hemlock–pine forest 25%, hardwood river valley forest 33%, upland hardwood forest 13%, lake shore 14%, cattail marsh 3%, fields and hedgerows 12%).—Dec. 22; 6:30 a.m. to 5:30 p.m. Clear; temp. 27° to 53°; wind S, up to 25 m.p.h.; no ice on water, ground free of snow, lowlands flooded. Eight observers in 3-6 parties. Total party-hours, 42 (21 on foot, 21 by car); total party-miles, 273 (31 on foot, 242 by car). **Red-throated Loon, 1** (carefully identified—A.S.); Great Blue Heron, 1; Mallard, 5; Black Duck, 83; Am. Golden-eye, 8; Buffle-head, 3; Hooded Merganser, 1; Red-breasted Merganser, 7; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 1; Herring Gull, 4; Ring-billed Gull, 4; Mourning Dove, 71; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 6; Pileated Woodpecker, 5; Red-bellied Woodpecker, 11; Hairy Woodpecker, 11; Downy Woodpecker, 17; Horned Lark, 7; Blue Jay, 49; Am. Crow, 1; Black-capped Chickadee, 2; Carolina Chickadee, 115; Tufted Titmouse, 43; White-breasted Nuthatch, 23;

Red-breasted Nuthatch, 7; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 20; Am. Robin, 95; Eastern Bluebird, 18; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Common Starling, 202; House Sparrow, 107; Red-winged Blackbird, 1; Cardinal, 82; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 54; Eastern Towhee, 2; Slate-colored Junco, 67; Am. Tree Sparrow, 73; **Chipping Sparrow, 1** (J.B.); Field Sparrow, 12; Song Sparrow, 15. **Total,** 51 species; about 1293 individuals.—Joseph Beatty, James Bruce (compiler), Burton Kahl, Alden Schaffter, Mrs. Alden Schaffter, Rodney Schaffter, Robert Sparr, Roger Troutman.

263. New Lexington, Ohio (3-mile radius centering on New Lexington courthouse, including Reservoir; fields 40%, deciduous woods 30%, roadsides 20%, pine plantings 10%, 2 feeding stations).—Dec. 28; 8 a.m. to 5 p.m. Overcast all day, drizzle p.m.; temp. 40° to 44°; wind S to SW, 0-15 m.p.h.; ground bare, streams and ponds open. Three observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 38 (5 on foot, 33 by car). **Rough-legged Hawk,** 1; Sparrow Hawk, 3; Bob-white, 12; Yellow-shafted Flicker, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 13; Blue Jay, 9; Carolina Chickadee, 23; Tufted Titmouse, 16; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Carolina Wren, 5; Mockingbird, 2; Am. Robin, 12; Eastern Bluebird, 11; Golden-crowned Kinglet, 2; Cedar Waxwing, 3; Common Starling, 930; House Sparrow, 52; Cardinal, 32; Am. Goldfinch, 12; Slate-colored Junco, 47; Am. Tree Sparrow, 35; Song Sparrow, 18. **Total,** 26 species; about 1258 individuals. (Purple Grackle in area count period.)—George C. Droscha, John J. Saunders (compiler), Patrick G. Saunders.

264. O'Shaughnessy Reservoir Area, Ohio (valleys of Scioto River, O'Shaughnessy and Griggs reservoirs, Olentangy River; 15-mile diameter circle centered about 2 miles north of O'Shaughnessy Dam; major stream valleys and water 10%, town suburbs 12%, farmland 60%, woodlands 10%, misc. 8%).—Dec. 31; 7:30 a.m. to 6 p.m. Overcast with intermittent drizzle; temp. 37° to 40°; wind S to SW, 0-10 m.p.h.; ground bare, streams open. Two observers in 2 parties. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 66 (3 on foot, 63 by car). Great Blue Heron, 4; Canada Goose, 260; Mallard, 140; Black Duck, 550; Pintail, 2; Green-winged Teal, 1; Am. Golden-eye, 2; Hooded Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Am. Coot, 1; Wilson's Snipe, 1; Mourning Dove, 7; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 19; Blue Jay, 19; Am. Crow, 9; Carolina Chickadee, 24; Tufted Titmouse, 6; White-breasted Nuthatch, 17; Brown Creeper, 5; Carolina Wren, 3; Mockingbird, 4; Am. Robin, 75; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Common Starling, 323; House Sparrow, 300; Cardinal, 69; Am. Goldfinch, 14; Slate-colored Junco, 16; Am. Tree Sparrow, 14; Song Sparrow, 6. **Total,** 40 species; about 1917 individuals.—A. H. Claugus (compiler), Ernie Limes.

265. Oxford, Ohio (7½-mile radius centering in Oxford, including Hueston Woods State Park, Oxford Airport, Acton Lake; woodland 25%, stream and lake border 25%, fields 45%, town suburbs 5%).—Dec. 21; 8 a.m. to 5 p.m. Clear; temp. 37° to 49°; wind SW, 8-10 m.p.h. Six observers in 3 parties. Total party-hours, 48 (30 on foot, 18 by car); total party-miles, 112 (38 on foot, 74 by car). Mallard, 1200; Black Duck, 300; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 2; Bob-white, 47; Killdeer, 1; Mourning Dove, 86; Horned Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 25; Horned Lark, 10; Blue Jay, 20; Am. Crow, 18; Black-capped Chickadee, 1; Carolina Chickadee, 24; Tufted Titmouse, 39; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Carolina Wren, 14; Mockingbird, 5; Brown Thrasher, 1; Am. Robin, 34; Eastern Bluebird, 4; Golden-crowned Kinglet, 3; Cedar Waxwing, 1; Common Starling, 88; House Sparrow, 465; Eastern Meadowlark, 15; Cardinal, 61; Am. Goldfinch, 28; Eastern Towhee, 4; Slate-colored Junco, 79; Am. Tree Sparrow, 34; Field Sparrow, 13; White-crowned Sparrow, 4; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 18. **Total,** 44 species; about 2719 individuals.—Paul Daniel, Willis Harbaum, Robert Hayes, Edwin Ingersoll, Mildred Miskimmen, Robert Winner (compiler).

266. Portsmouth, Ohio (same area as previous years).—Dec. 21; 7 a.m. to 7:30 p.m. Sunny; temp. 40° to 50°; wind W, 5 m.p.h. Seven observers in 3 parties. Total party-hours, 72 (48 on foot, 24 by car); total party-miles, 132 (32 on foot, 100 by car). Mallard, 33; Black Duck, 19; Cooper's Hawk, 3; Red-tailed Hawk, 5; Marsh Hawk, 4; Sparrow Hawk, 20; Bob-white, 22; Herring Gull, 1; Mourning Dove, 10; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 21; **Eastern Phoebe, 2**; Horned Lark, **86**; Blue Jay, 36; Am. Crow, 65; Carolina Chickadee, 192; Tufted Titmouse, 60; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 6; Carolina Wren, 44; Mockingbird, 4; Am. Robin, **560**; Eastern Bluebird, 62; Golden-crowned Kinglet, 2; Cedar Waxwing, **112**; Common Starling, 165; Myrtle Warbler, 4; House Sparrow, 427; Eastern Meadowlark, 13; Red-winged Blackbird, 40; Purple Grackle, 10; Brown-headed Cowbird, 1; Cardinal, 227; Purple Finch, 9; Am. Goldfinch, 95; Eastern Towhee, 16; Slate-colored Junco, 217; Am. Tree Sparrow, 68; Field Sparrow, 13; White-crowned Sparrow, 9; White-throated Sparrow, 5; Fox Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 111.

Total, 51 species; about 2883 individuals.—Floyd B. Chapman, James S. Donaldson, Earl C. Hayes, Elsie L. Knighton, Harry S. Knighton (compiler), Ernest L. Limes, Conrad Roth.

267. **Salem, Ohio** (same circle as in past 4 years; lake shore 1%, marsh 5%, open fields 5%, brushland 20%, upland woods 19%, wooded valley 50%).—Jan. 1; 8 a.m. to 4:30 p.m. Overcast; occasional snow flurries; temp. 26° to 21°; wind W, 18-30 m.p.h.; ground bare at beginning, trace of snow at end, lakes and streams unfrozen. Nine observers in 5 parties. Total party-hours, 32 (30 on foot, 2 by car); total party-miles, 62 (42 on foot, 20 by car). Mallard, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bob-white, 6; Ring-necked Pheasant, 2; Herring Gull, 1; Mourning Dove, 52; Screech Owl, 2; Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 35; Horned Lark, 3; Blue Jay, 12; Am. Crow, 5; Black-capped Chickadee, 77; Carolina Chickadee, 13; Tufted Titmouse, 72; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 3; Brown Creeper, 11; Winter Wren, 1; Carolina Wren, 15; Am. Robin, 22; Golden-crowned Kinglet, 23; Common Starling, 134; House Sparrow, 144; Cardinal, 71; Am. Goldfinch, 16; Slate-colored Junco, 7; Am. Tree Sparrow, 196; Field Sparrow, 5; Song Sparrow, 23. **Total,** 39 species; about 1016 individuals. (Seen in area during period: Pied-billed Grebe, Great Blue Heron, Canada Goose, Black Duck, Pintail, Cooper's Hawk, Ruffed Grouse, Am. Coot, Barred Owl.) [Very neat, carefully prepared report—Ed.]—Margaret K. Baker, William C. Baker (compiler), Roy A. Booth, Jr., Wanda Cullar, Lucille Davis, Casper Gabler, Ernest Guindon, Albert T. Hartley, Inez Heisler (Salem Bird Study Club).

268. **Steubenville, Ohio** (some changes within the same 15-mile diameter circle; deciduous woods 14%, farmland 21%, roadside 36%, brushy fields 9%, pineland 6%, swampy woods 7%, cemetery 7%).—Dec. 28; 8 a.m. to 5 p.m. Scattered showers; temp. 40° to 42°; wind W, 0-12 m.p.h. Seventeen observers in 5 parties. Total party-hours, 44 (35 on foot, 9 by car); total party-miles, 115 (38 on foot, 77 by car). Cooper's Hawk, 4; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 7; Bob-white, 42; Ring-necked Pheasant, 1; Screech Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 3; Pileated Woodpecker, 3; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 57; Horned Lark, 19; Blue Jay, 33; Am. Crow, 9; Black-capped Chickadee, 18; Carolina Chickadee, 151; Tufted Titmouse, 79; White-breasted Nuthatch, 27; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 25; **Mockingbird,** 1 (in area 2 years); Am. Robin, 224; Eastern Bluebird, 10; Golden-crowned Kinglet, 14; Common Starling, 563; House Sparrow, 291; Eastern Meadowlark, 3; Red-winged Blackbird, 1; Cardinal, 138; Am. Goldfinch, 39; Slate-colored Junco, 157; Am. Tree Sparrow, 111; Field Sparrow, 3; Song Sparrow, 74. **Total,** 41 species; about 2149 individuals.—Clinton S. Banks (compiler), Richard C. Banks, Robert Conti, R. L. Dailey, Dale L. DeMoss, Earl Farmer, Hattie Fleming, Arthur Johnson, Carl Koch, Ronald McKee, Alberta Miller, Don Miller, Wilfred Miller, Louise Musser, Ralph Musser, Albert R. Tenney, Floyd Wells (The Forest Audubon Club).

269. **Tiffin, Ohio** (5 miles north and 10 miles south including Sandusky River, Gibson Run, Morrison Creek; bottomland deciduous forest 75%, upland deciduous forest 15%, open fields 5%, shrubby fields 3%, upland evergreen forest 2%).—Dec. 29, 8 a.m. to 5:30 p.m. Partly cloudy; temp. 25° to 35°; wind SW, 10-15 m.p.h.; streams high but not flooded. Fifteen observers in 8 parties. Total party-hours, 28 (23 on foot, 5 by car); total party-miles, 135 (17 on foot, 118 by car). Cooper's Hawk, 2; Red-tailed Hawk, 6; Bob-white, 1; Ring-necked Pheasant, 3; Mourning Dove, 51; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 55; Horned Lark, 23; Blue Jay, 19; Am. Crow, 1; Black-capped Chickadee, 99; Tufted Titmouse, 43; White-breasted Nuthatch, 69; Brown Creeper, 18; Carolina Wren, 3; Am. Robin, 1; Gray Shrike, 1; Common Starling, 31; House Sparrow, 152; Cardinal, 45; Am. Goldfinch, 16; Slate-colored Junco, 12; Am. Tree Sparrow, 103; Fox Sparrow, 2; Song Sparrow, 18. **Total,** 31 species; about 800 individuals.—Ernest Estep, Mrs. Richard Ewald, Ralph Foutz, Marie Froehlich, Stephen Hartsel, Howard Hintz, Mrs. Roy Irwin, Mrs. W. C. Knoblaugh (compiler), John Knott, Kathleen Miller, Vernon Miller, Mrs. Vernon Miller, Vernon Miller, Jr., Larry Tiell, Tom West.

270. **Toledo, Ohio** (5 miles of Swan Creek Valley, 5 miles of Ottawa River Valley, forest patches northeast of city, edge of Cedar Point Marsh, and Erie Marsh, Mich.; open water 10%, cultivated fields 15%, cattail marsh 15%, open deciduous forest 60%).—Dec. 22; 7:30 a.m. to 5:15 p.m. Mostly clear; temp. 34° to 56°; wind S to W, 18 m.p.h.; no snow or ice, stream valleys flooded. Twenty-six observers in 7 parties. Total party-hours, 49 (45 on foot, 4 by car); total party-miles, 76 (44 on foot, 32 by car). Great Blue Heron, 12; Canada Goose, 1; Mallard, 555; Black Duck, 2136; Am. Widgeon, 4; Canvas-back, 16; Lesser Scaup, 66; Am. Golden-eye, 49; Ruddy Duck, 3; Hooded Merganser, 2; Am. Merganser, 113; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Bob-white, 12; Ring-necked Pheasant, 226; Am. Coot, 1; Great Black-backed Gull, 4; Herring Gull, 164; Ring-billed Gull, 1633; Bonaparte's Gull, 322; **tern (probably Forster's),** 1; Mourning Dove, 41; Screech Owl, 2; Horned

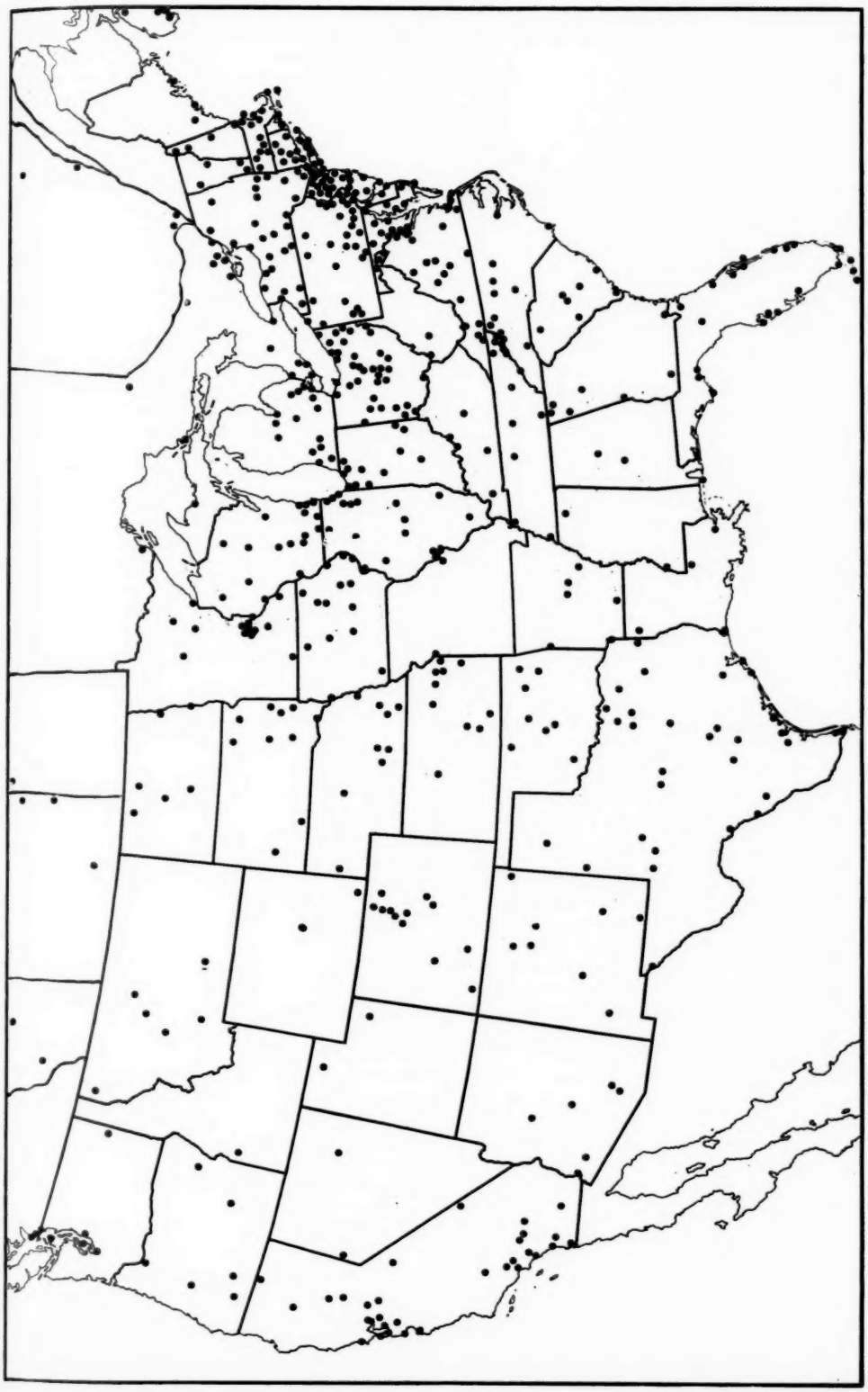
Owl, 4; Barred Owl, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 56; Horned Lark, 134 (Prairie and Northern); Blue Jay, 73; Am. Crow, 74; Black-capped Chickadee, 29; Tufted Titmouse, 68; White-breasted Nuthatch, 47; Red-breasted Nuthatch, 3; Brown Creeper, 18; Winter Wren, 1; Carolina Wren, 10; Brown Thrasher, 1; Am. Robin, 145; Golden-crowned Kinglet, 4; Common Starling, 436; Myrtle Warbler, 6; House Sparrow, 1021; Eastern Meadowlark, 16; Red-winged Blackbird, 4; Purple Grackle, 2; Cardinal, 249; Evening Grosbeak, 3; Purple Finch, 14; Common Redpoll, 22; Pine Siskin, 16; Am. Goldfinch, 108; Red Crossbill, 3; **White-winged Crossbill, 6** (J.S.); Slate-colored Junco, 276; Am. Tree Sparrow, 128; Field Sparrow, 8; Swamp Sparrow, 3; Song Sparrow, 84; Lapland Longspur, 97; Snow Bunting, 10. **Total,** 67 species (1 additional subspecies); about 8581 individuals. (In census area count period: Gadwall, Belted Kingfisher, Loggerhead Shrike.)—Miriam Bell, Otis and Grace Bridges, Louis W. Campbell (compiler), Robert Crofts, Glen Forsythe, Robert Hayman, Larry Hiett, Seymour Holloway, Harold Holt, Roger Jensen, Dick Kellermeier, J. R. Kelly, Lou Klewer, Harold Mayfield, John McCormick, W. E. Smith, Mr. and Mrs. Fred Stearns, W. J. Stewart, Joseph Sweeney, R. H. Turner, Don Van Buskirk, Laurel Van Camp, Mrs. Neil Waterbury, Earnest Weaver (Toledo Naturalists' Association).

271. Utica, Ohio (same general locality as previous 8 years, including South Lane Farm of 345 acres 2 miles west of Utica and Fallsburg east; beech–maple climax forest 30%, open farmland 15%, rolling upland with oak–hickory climax and mixed deciduous trees 20%, brushy thickets 5%, lowland and brushy stream edges 30%).—Dec. 22; 6 a.m. to 5:30 p.m. Fair; temp. 30° to 53°; wind S, 0-10 m.p.h.; ground bare, water open. Eleven observers in 7 parties. Total party-hours, 52 (38 on foot, 14 by car); total party-miles, 198 (42 on foot, 156 by car). Great Blue Heron, 1; Mallard, 1; Turkey Vulture, **23**; **Black Vulture, 80** (vulture roost in area); Sharp-shinned Hawk, 1; Cooper's Hawk, 8; Red-tailed Hawk, 24; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 7; Ruffed Grouse, 1; Bob-white, 63; Ring-necked Pheasant, 1; Mourning Dove, 168; Barn Owl, 4; Screech Owl, 4; Horned Owl, 9; Barred Owl, 4; **Saw-whet Owl, 1**; Belted Kingfisher, 4; Yellow-shafted Flicker, 25; Pileated Woodpecker, 11; Red-bellied Woodpecker, 84; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 31; Downy Woodpecker, 124; Horned Lark, 165 (2 races); Blue Jay, 110; Am. Crow, 13; Carolina Chickadee, 164; Tufted Titmouse, 161; White-breasted Nuthatch, 140; Red-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 53; Mockingbird, 4; Am. Robin, **6291**; Eastern Bluebird, 78; Golden-crowned Kinglet, 9; Common Starling, **40,974**; House Sparrow, 1108; Eastern Meadowlark, 2; Red-winged Blackbird, 1508; Rusty Blackbird, **500**; Purple Grackle, **1004**; Brown-headed Cowbird, **1000**; Cardinal, 214; Purple Finch, 3; Am. Goldfinch, 148; Eastern Towhee, 4; Slate-colored Junco, 77; Am. Tree Sparrow, 494; Field Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 123. **Total,** 57 species (1 additional subspecies); about 55,052 individuals. (Seen in area count period: Pied-billed Grebe, Rough-legged Hawk.)—Gail H. Ash, Joseph Berg, Floyd B. Chapman, Mrs. Harry Fulton, Marie Greider, R. E. McCollum, Mrs. Don McMillan, Mrs. Donald Noffsinger, Philip E. Rimer, C. R. Wagner, Mrs. C. R. Wagner (compiler).

272. Van Wert, Ohio (same area as previously; open farmland 45%, deciduous swamp forest 40%, urban and suburban 10%, farm yards 5%).—Dec. 29; 7:45 a.m. to 5 p.m. Clear; temp. 20° to 36°; wind SSW to SW, 5-7 m.p.h.; open water in creeks and reservoir, no snow. Six observers in 3 parties. Total party-hours, 15 (10 on foot, 5 by car); total party-miles, 61 (15 on foot, 46 by car). Red-shouldered Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Mourning Dove, 61; Horned Owl, 1; Yellow-shafted Flicker, 8; Red-headed Woodpecker, 6; Hairy Woodpecker, 8; Downy Woodpecker, 17; Horned Lark, 53; Blue Jay, 25; Black-capped Chickadee, 2; Tufted Titmouse, 26; White-breasted Nuthatch, 33; Common Starling, 240; House Sparrow, 610; **Eastern Meadowlark, 2**; Cardinal, 23; Am. Tree Sparrow, 13; **White-throated Sparrow, 1**; Song Sparrow, 12. **Total,** 22 species; about 1150 individuals.—Homer DeCamp, C. G. Giffin, Katherine Giffin, W. L. Hoeken, C. Dan Pennell, J. Fred Williams (compiler) (Upper Maumee Valley Naturalist Club).

273. Warren, Ohio (same area as last 8 years).—Dec. 31; 7:45 a.m. to 4:30 p.m. Cloudy; temp. 31° to 40°; wind 0-2 m.p.h. Fifty-two observers in 14 parties. Total party-hours, 145 (142 on foot, 3 by car); total party-miles, 125 (46 on foot, 79 by car). Ring-necked Duck, 3; Am. Merganser, 2; Red-breasted Merganser, 10; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 48; Ring-necked Pheasant, 9; Ring-billed Gull, 4; Mourning Dove, 127; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 48; Blue Jay, 201; Am. Crow, 49; Black-capped Chickadee, 213; Tufted Titmouse, 73; White-breasted Nuthatch, 71; Red-breasted Nuthatch, 2; Brown Creeper, 6; Carolina Wren, 3; Am. Robin, 3; Common Starling, 904; House Sparrow, 679; Eastern Meadowlark, 6; Cardinal, 162; Purple Finch, 1; Common Redpoll, 2; Am. Goldfinch, 15; Slate-colored Junco, 79; Am. Tree Sparrow, 279; Song Sparrow, 8. **Total,** 37 species; about 3047 individuals.—Georgene Smith (compiler) (Trumbull Bird and Nature Club).

274. Wooster, Ohio (7½-mile radius centered on Route 3 about 1 mile NE of Springville, including Secrest Arboretum, Funk's Hollow, Killbuck Valley, Odell's Lake, Mohican River from Reedsburg to Funk; swamp forest 36%, upland forest 25%, fields and hedgerows 15%, cattail marsh 12%, roadsides 5%, hemlock–beech forest 6%, conifer plantations



Distribution of the Fifty-eighth Christmas Bird Count
See note, foot of page 246

5% [=104%—Ed.]).—Dec. 21; 7:15 a.m. to 5:45 p.m. Clear; temp. 37° to 57°; wind light to 38 m.p.h.; water open, no snow, lowlands flooded. Thirteen observers in 7 parties. Total party-hours, 47½ (30 on foot, 16 by car, 1½ in plane); total party-miles, 282 (37 on foot, 185 by car, 60 by plane). Great Blue Heron, 3; Mallard, 29; Black Duck, 16; Green-winged Teal, 2; Canvas-back, 1; **Old-squaw,** 1; Ruddy Duck, 1; Hooded Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 18; Red-shouldered Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 14; Ring-necked Pheasant, 3; Mourning Dove, 25; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 8; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 7; Hairy Woodpecker, 10; Downy Woodpecker, 55; Horned Lark, 23; Blue Jay, 116; Am. Crow, 2; Black-capped Chickadee, 5; Carolina Chickadee, 118; Tufted Titmouse, 99; White-breasted Nuthatch, 67; Red-breasted Nuthatch, 6; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 21; Long-billed Marsh Wren, 5; Am. Robin, 100; Eastern Bluebird, 30; Golden-crowned Kinglet, 26; Cedar Waxwing, 24; Common Starling, 242; Myrtle Warbler, 8; House Sparrow, 443; Eastern Meadowlark, 24; Red-winged Blackbird, 206; Rusty Blackbird, 53; Cardinal, 153; **Common Redpoll, 4**; Am. Goldfinch, 109; Eastern Towhee, 1; Slate-colored Junco, 76; Am. Tree Sparrow, 250; Field Sparrow, 5; White-crowned Sparrow, 12; Swamp Sparrow, 12; Song Sparrow, 70. **Total,** 59 species; about 2565 individuals. (In circle count period: Eastern Phoebe, Fox Sparrow.)—Joseph Beatty, James Bruce (compiler), Elsie Burckhart, Charles Compton, Irene Eschliman, William Goslin, Scott Harry, Alden Schaffter, Mrs. Alden Schaffter, Rodney Schaffter, Robert Sparr, Ted Sparr, Roger Troutman.

275. Youngstown, Ohio (within 7½-mile radius of western edge of Youngstown; urban 15%, woods 30%, lakes 15%, pasture 40%).—Dec. 22; 7:30 a.m. to 5:30 p.m. Clear; temp. 28° to 34°; wind negligible. Fourteen observers in 9 parties. Total party-hours, 75 (60 on foot, 12 by car, 3 by plane); total party-miles, 420 (120 on foot, 180 by car, 120 by plane). Pied-billed Grebe, 1; Great Blue Heron, 3; Mute Swan, 1 (feral); Canada Goose, 63; Mallard, 1375; Black Duck, 360; Am. Widgeon, 8; Pintail, 6; Ring-necked Duck, 1; Am. Golden-eye, 3; Ruddy Duck, 2; Hooded Merganser, 2; Am. Merganser, 15; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 13; Ruffed Grouse, 3; Bob-white, 117; Ring-necked Pheasant, 70; Am. Coot, 1; Killdeer, 1; Herring Gull, 2; Ring-billed Gull, 25; Mourning Dove, 19; Screech Owl, 1; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Hairy Woodpecker, 11; Downy Woodpecker, 48; Horned Lark, 2; Blue Jay, 189; Am. Crow, **100, 381**; Black-capped Chickadee, 78; Tufted Titmouse, 54; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 5; Long-billed Marsh Wren, 2; **Mockingbird,** 1; Am. Robin, 28; Eastern Bluebird, 4; Golden-crowned Kinglet, 5; Common Starling, 3759; House Sparrow, 751; Eastern Meadowlark, 6; Red-winged Blackbird, 1; Cardinal, 106; Pine Siskin, 36; Am. Goldfinch, 21; Slate-colored Junco, 31; Am. Tree Sparrow, 286; Swamp Sparrow, 5; Song Sparrow, 14. **Total,** 63 species; about 107,991 individuals.—Vincent P. McLaughlin (compiler). (Grant M. Cook Bird Club and guests).

276. Zanesville, Ohio (15-mile diameter, center at junction of Routes 555 and 77 approximately 5 miles southeast from center of Zanesville; includes Zanesville, Philo, small portion of Blue Rock State Park; wooded hill 75%, open farmland 20%, suburban 5%).—Dec. 29; 7 a.m. to 5:30 p.m. Clear; temp. 18° to 34°; wind NW to SE, 7 m.p.h.; ground bare, water open. Seven observers in 4 parties. Total party-hours, 49 (23 on foot, 26 by car); total party-miles, 190 (25 on foot, 165 by car). Cooper's Hawk, 2; Red-tailed Hawk, 4; Sparrow Hawk, 8; Bob-white, 25; Mourning Dove, 5; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 5; Red-bellied Woodpecker, 12; Hairy Woodpecker, 11; Downy Woodpecker, 32; Blue Jay, 30; Am. Crow, 2; Carolina Chickadee, 81; Tufted Titmouse, 60; White-breasted Nuthatch, 28; **Red-breasted Nuthatch,** 1; Carolina Wren, 10; Mockingbird, 3; Am. Robin, 25; Eastern Bluebird, 20; Golden-crowned Kinglet, 12; Common Starling, 317; House Sparrow, 123; Eastern Meadowlark, 18; Cardinal, 91; Am. Goldfinch, 5; Slate-colored Junco, 115; Am. Tree Sparrow, 21; **Chipping Sparrow,** 1; Song Sparrow, 14. **Total,** 33 species; about 1097 individuals. (Yellow-bellied Sapsucker seen count period.)—George Clemens, Janet LeRoy (compiler), Mrs. Mildred Lonon, Mr. and Mrs. Fred E. Merrell, Don Prest, Judith Smith.

277. Charleston, W. Va. (Kanawha River Valley and adjacent hills from Kanawha City Estates to Institute and east edge St. Albans, Kanawha Airport, Coonskin Park and Kanawha State Forest; open farmland and grassland 10%, urban 55%, deciduous woodland 35%).—Dec. 28; 7 a.m. to 5 p.m. Heavy overcast, occasional drizzle; temp. 41° to 44°; wind SW, light to 20 m.p.h.; ground bare. Twelve observers in 9 parties. Total party-hours, 61 (43 on foot, 12 by car, 6 at feeders); total party-miles, 165 (53 on foot, 112 by car). Ring-necked Duck, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 1; Killdeer, 11; Wilson's Snipe, 3; Screech Owl, 3; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 19; Pileated Woodpecker, 6; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 61; Horned Lark, 8; Blue Jay, 43; Am. Crow, 344; Carolina Chickadee, 190; Tufted Titmouse, 149; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 2; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 109; Mockingbird, 5; Brown Thrasher, 1; Am. Robin, **720**; Hermit

Thrush, 3; Eastern Bluebird, 30; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 8; Cedar Waxwing, 2; Common Starling, 576; Myrtle Warbler, 17; Pine **Warbler,** 1 (G.H.); Palm Warbler, 1; House Sparrow, 399; Eastern Meadowlark, 21; Cardinal, 238; Purple Finch, 5; Pine Siskin, 6; Am. Goldfinch, 137; Eastern Towhee, 38; Slate-colored Junco, 169; Am. Tree Sparrow, 12; Field Sparrow, 40; White-crowned Sparrow, 9; White-throated Sparrow, 96; Fox Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 210. **Total,** 53 species; about 3808 individuals.—Kenneth Anderson, Sybil M. Ball, Florence Frostick, Frank M. Johnson, John Handlan, Polly Handlan, C. O. Handley, Jr., C. O. Handley, Sr. (compiler), John M. Handley, George Hurley, John Smith, Fred A. Woods.

278. **Charles Town, W. Va.** (same area as past 6 years; Federal Fish Hatchery, Leetown, along R.R. Charles Town to Aldridge, Flowing Springs meadow, along Shenandoah River Bloomery to Millville; small ponds 10%, stream banks 15%, weedy fields 10%, mature oak forests 15%, cattail marsh 25%, farm fields 25%).—Jan. 1; 7:15 a.m. to 5:30 p.m. Clear; temp. 18° to 35°; wind NW, 10-15 m.p.h. Three observers in 1 party. Total party-hours, 10¼ (6 on foot, 4¼ by car); total party-miles, 83 (8 on foot, 75 by car). Pied-billed Grebe, 2; Mallard, 3; Turkey Vulture, 9; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 11; Killdeer, 51; Wilson's Snipe, 25; Mourning Dove, 37; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 4; Am. Crow, 1900+; Carolina Chickadee, 19; Tufted Titmouse, 3; White-breasted Nuthatch, 8; Brown Creeper, 2; Carolina Wren, 2; Mockingbird, 17; Am. Robin, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 7; Cedar Waxwing, 11; Common Starling, 885; House Sparrow, 190; Eastern Meadowlark, 8; Red-winged Blackbird, 8; Brown-headed Cowbird, 4; Cardinal, 34; Am. Goldfinch, 41; Slate-colored Junco, 14; Am. Tree Sparrow, 6; Field Sparrow, 3; White-crowned Sparrow, 65; White-throated Sparrow, 11; Song Sparrow, 19. **Total,** 42 species; about 3426 individuals.—Mrs. Hugh Caperton, Donald Clancy, Clark Miller (compiler).

279. **Huntington, W. Va.** (same area as 1940 and subsequent counts).—Dec. 29; 6 a.m. to 6 p.m. Clear; temp. 18° to 48°; no wind; ground bare. Nine observers in 9 parties. Total party-hours, 55 (48 on foot, 7 by car); total party-miles, 151 (52 on foot, 99 by car). Great Blue Heron, 1; Mallard, 4; Black Duck, 6; Cooper's Hawk, 1; Sparrow Hawk, 7; Bob-white, 60; Killdeer, 12; Herring Gull, 1; Ring-billed Gull, 1; Screech Owl, 2; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 27; Pileated Woodpecker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 82; Horned Lark, 10; Blue Jay, 111; Am. Crow, 157; Carolina Chickadee, 397; Tufted Titmouse, 303; White-breasted Nuthatch, 65; Brown Creeper, 6; Winter Wren, 7; Bewick's Wren, 1; Carolina Wren, 125; Mockingbird, 38; Am. Robin, 290; Hermit Thrush, 1; Eastern Bluebird, 99; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 3; Cedar Waxwing, 19; Common Starling, 787; Myrtle Warbler, 23; Pine Warbler, 4; House Sparrow, 381; Eastern Meadowlark, 46; Red-winged Blackbird, 4; Rusty Blackbird, 12; Purple Grackle, 7; Brown-headed Cowbird, 1; Cardinal, 500; Purple Finch, 1; Am. Goldfinch, 196; Eastern Towhee, 79; Slate-colored Junco, 202; Am. Tree Sparrow, 3; Field Sparrow, 89; White-crowned Sparrow, 26; White-throated Sparrow, 141; Swamp Sparrow, 3; Song Sparrow, 381. **Total,** 56 species; about 4769 individuals.—R. M. Edeburn (compiler), Lois Garrett, G. H. Gunnoe, Mrs. H. C. Hale, Tommy Igou, H. T. Lawless, Mrs. W. H. O'Dell, Mrs. Grady Risen, R. P. Van Blaricom.

280. **Inwood, W. Va.** (same area as past 7 years, southern Berkeley County from Big Spring to Virginia line, and from Opequon Creek to top of North Mt.; apple and cherry orchards 20%, mature oak forests 10%, pasture fields 15%, open farm fields 20%, scrub pine, locust and sumac 30%, small streams and marshes 5%).—Dec. 31; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 25° to 50°; wind W, 0-15 m.p.h. Three observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 58 (7 on foot, 51 by car). Turkey Vulture, 8; Red-tailed Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 1; Bob-white, 17; Killdeer, 22; Wilson's Snipe, 15; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 15; Am. Crow, 227+; Carolina Chickadee, 23; Tufted Titmouse, 24; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Bewick's Wren, 1; Carolina Wren, 2; Mockingbird, 15; **Catbird, 1** (regular at feeder); Am. Robin, 42; Eastern Bluebird, 5; Golden-crowned Kinglet, 9; Loggerhead Shrike, 2; Common Starling, 2907+; House Sparrow, 171; Eastern Meadowlark, 8; Red-winged Blackbird, 8; Rusty Blackbird, 5; Brown-headed Cowbird, 3; Cardinal, 62; Am. Goldfinch, 91; **Savannah Sparrow, 1** (rechecked Jan. 3-5); Slate-colored Junco, 46; Am. Tree Sparrow, 70; Field Sparrow, 2; White-crowned Sparrow, 6; White-throated Sparrow, 3; Song Sparrow, 20. **Total,** 41 species; about 3861 individuals.—Donald Clancy, Clark Miller (compiler), Trecla Miller.

281. **Bowling Green, Ky.** (same area for 40 successive counts).—Dec. 21; 6:30 a.m. to 5 p.m. Clear; temp. 34° to 55°; wind SW, 0-12 m.p.h. Five observers in 2 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 60 (10 on foot, 50 by car). Mallard, 192; Black Duck, 39; Gadwall, 2; Ruddy Duck, 1; Turkey Vulture, 6; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 27; **Ring-necked Pheasant,** 1; Wilson's Snipe, 1; Mourning Dove, 39; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Pileated Woodpecker, 8; Red-

bellied Woodpecker, 4; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 212; Blue Jay, 72; Am. Crow, 254; Carolina Chickadee, 27; Tufted Titmouse, 23; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 42; Mockingbird, 15; Am. Robin, 41; Hermit Thrush, 1; Eastern Bluebird, 38; Cedar Waxwing, 24; Loggerhead Shrike, 4; Common Starling, 1120; Myrtle Warbler, 3; House Sparrow, 132; Eastern Meadowlark, 206; Red-winged Blackbird, **75,000**; Rusty Blackbird, **75,000**; Purple Grackle, **300,000**; Brown-headed Cowbird, **50,000**; Cardinal, 186; Purple Finch, 23; Am. Goldfinch, 178; Eastern Towhee, 27; Savannah Sparrow, 8; Slate-colored Junco, 50; Field Sparrow, 44; White-crowned Sparrow, 8; White-throated Sparrow, 124; Swamp Sparrow, 17; Song Sparrow, 35; **Lapland Longspur, 5. Total,** 58 species; about 503,313 individuals. (Blackbirds coming from large roost.)—Millard Gipson, L. Y. Lancaster, Robert Pace, Charles L. Taylor, Gordon Wilson (compiler).

282. Danville, Ky. (most roads in and near county; farmland, thickets, streams, ponds).—Dec. 24; 5:45 a.m. to 5 p.m. Drizzle a.m., clear p.m.; temp. 35° to 48°; wind moderate; ponds and streams open. Nine observers in 4 parties. Total party-hours, 35 (16 on foot, 19 by car); total party-miles, 278 (20 on foot, 258 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Canada Goose, 14; **Blue Goose, 4** (with tame birds in farm pond); Mallard, 360; Black Duck, 142; Gadwall, 12; Am. Widgeon, 23; Pintail, 5; Green-winged Teal, 3; **Blue-winged Teal, 1** (unable to fly); Redhead, 3; Lesser Scaup, 5; Ruddy Duck, 1; Hooded Merganser, 1; Turkey Vulture, 5; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Sparrow Hawk, 22; Am. Coot, 3; Killdeer, 25; Wilson's Snipe, 2; Mourning Dove, 29; Short-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 9; Downy Woodpecker, 30; Horned Lark, 14; Blue Jay, 12; Am. Crow, 290; Carolina Chickadee, 110; Tufted Titmouse, 49; White-breasted Nuthatch, 2; **Red-breasted Nuthatch, 1**; Winter Wren, 1; Carolina Wren, 34; Mockingbird, 26; Am. Robin, 3; Eastern Bluebird, 39; Golden-crowned Kinglet, 3; Cedar Waxwing, 4; Loggerhead Shrike, 1; Common Starling, 2162; House Sparrow, 250; Eastern Meadowlark, 28; Rusty Blackbird, 18; Purple Grackle, 211; Cardinal, 125; Am. Goldfinch, 8; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 49; Am. Tree Sparrow, 2; Field Sparrow, 2; White-crowned Sparrow, 37; White-throated Sparrow, 19; Song Sparrow, 18. **Total,** 59 species; about 4240 individuals. (Seen in circle count period: Hairy Woodpecker, Brown Creeper.)—John Cheek, Jackson Davis, Roy Ellis, Margaret Glore, Scott Glore, Jr., Edna Drill Heck (compiler), Frank H. Heck, Dorothy Belle Hill, West T. Hill.

283. Henderson, Ky. (same territory as previous years).—Jan. 1; 7 a.m. to 4 p.m.; Clear; temp. 18° to 25°; wind W, 10-15 m.p.h.; some open water in deep branches, other water open. Twelve observers in 5 parties. Total party-hours, 40 (22 on foot, 18 by car); total party-miles, 40 (10 on foot, 30 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 2525; Mallard, 13,050; Black Duck, 50; Pintail, 1500; Green-winged Teal, 2; Canvas-back, 6; Am. Golden-eye, 2; Turkey Vulture, 2; Cooper's Hawk, 7; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; **Osprey, 2**; Sparrow Hawk, 5; Bob-white, 3; Am. Coot, 1; Killdeer, 3; Herring Gull, 2; Mourning Dove, 346; Horned Owl, 3; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Pileated Woodpecker, 2; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 17; Downy Woodpecker, 21; Horned Lark, 45; Blue Jay, 38; Am. Crow, 17,053; Carolina Chickadee, 30; Tufted Titmouse, 44; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 18; Mockingbird, 21; Am. Robin, 34; Hermit Thrush, 1; Eastern Bluebird, 45; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 12; Loggerhead Shrike, 1; Common Starling, 1734; Myrtle Warbler, 18; House Sparrow, 609; Eastern Meadowlark, 109; Rusty Blackbird, 3; Purple Grackle, 305; Brown-headed Cowbird, 20; Cardinal, 127; **Purple Finch, 1**; Am. Goldfinch, 4; Eastern Towhee, 11; Slate-colored Junco, 44; Am. Tree Sparrow, 5; Chipping Sparrow, 12; Field Sparrow, 3; White-crowned Sparrow, 25; White-throated Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 3. **Total,** 69 species; about 37,990 individuals.—King Benson, Bill Benseik, Amelia Klutey, Mildred Parsons, W. H. Rhoads, W. P. Rhoads (compiler), Mrs. C. B. Smith, Virginia Smith, Frank Sauerheber, R. C. Soaper, Mrs. George Stanley, Jr., Mrs. Nat Stanley, Mrs. Richard Stites.

284. Kentucky Woodlands National Wildlife Refuge, Ky. (same area as in previous years).—Dec. 28; 5:30 a.m. to 4:30 p.m. Partly cloudy morning, clear afternoon; temp. 37° to 46°; wind S to SW, 0-7 m.p.h. Ten observers in 6 parties. Total party-hours, 30 (22 on foot, 8 by car); total party-miles, 80 (19 on foot, 61 by car). Great Blue Heron, 2; Canada Goose, 10,000; Mallard, 1136; Black Duck, 550; Am. Widgeon, 50; Ring-necked Duck, 110; Lesser Scaup, 15; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 4; **Golden Eagle, 1**; Bald Eagle, 12; Sparrow Hawk, 3; Bob-white, 30; Killdeer, 21; Herring Gull, 33; Ring-billed Gull, 110; Mourning Dove, 69; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 48; Pileated Woodpecker, 7; Red-bellied Woodpecker, 46; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 7; Downy Woodpecker, 33; Eastern Phoebe, 1; Horned Lark, 9; Blue Jay, 52; Am. Crow, 35; Carolina Chickadee, 100; Tufted Titmouse, 103; White-breasted Nuthatch, 18; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 30; Mockingbird, 13; Brown Thrasher, 10; Am. Robin, 8; Hermit Thrush, 1; Eastern Bluebird, 26; Golden-crowned Kinglet, 8; Cedar Waxwing, 1; Common Starling, 55; Myrtle Warbler, 14;

House Sparrow, 60; Eastern Meadowlark, 206; Red-winged Blackbird, 108; Purple Grackle, 500; Cardinal, 220; Purple Finch, 45; Am. Goldfinch, 35; Eastern Towhee, 47; Vesper Sparrow, 2; Slate-colored Junco, 150; Am. Tree Sparrow, 1; Chipping Sparrow, 5; Field Sparrow, 89; White-throated Sparrow, 77; Fox Sparrow, 8; Song Sparrow, 60. **Total,** 63 species; about 14,424 individuals.—Evelyn Barbig, Howard Barbig, Christine Hancock, Hunter M. Hancock (compiler), Gerlinda Megow, Gerhardt Megow, Clell T. Peterson, A. L. Powell, William T. Sledd, L. D. Thompson.

285. Kleber Song Bird Sanctuary, Ky. (7-mile radius in Owen County including adjacent farmlands and woodlots; deciduous woods 5%, brushy fields 80%, open fields 10%, creek and river banks 5%).—Dec. 28; 7:15 a.m. to 4:30 p.m. Cloudy; temp. 20° to 28°; wind 5-13 m.p.h. Four observers in 2 parties. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 52 (12 on foot, 40 by car). Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Bob-white, 15; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Blue Jay, 6; Am. Crow, 118; Carolina Chickadee, 57; Tufted Titmouse, 29; Brown Creeper, 1; Bewick's Wren, 1; Carolina Wren, 19; Mockingbird, 10; Am. Robin, 1388; Eastern Bluebird, 30; Golden-crowned Kinglet, 2; Cedar Waxwing, 28; Common Starling, 1161; Myrtle Warbler, 31; House Sparrow, 53; Brown-headed Cowbird, 20; Cardinal, 86; Purple Finch, 23; Am. Goldfinch, 67; Eastern Towhee, 8; Slate-colored Junco, 240; Am. Tree Sparrow, 16; Field Sparrow, 2; White-crowned Sparrow, 2; White-throated Sparrow, 12; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 29. **Total,** 40 species; about 3505 individuals.—Joe Croft, Harvey B. Lovell (compiler), Anne L. Stamm, Frederick W. Stamm.

286. Louisville, Ky. (same area and coverage as last year).—Dec. 22; 5:30 a.m. to 5:30 p.m. Mostly clear; temp. 37° to 61°; wind S to SW, 0-5 m.p.h.; all water open. Thirty-one observers in 9 parties. Total party-hours, 61 (38 on foot, 20 by car, 3 by boat); total party-miles, 131 (38 on foot, 72 by car, 21 by boat). Horned Grebe, 3; Double-crested Cormorant, 1; Great Blue Heron, 2; Black-crowned Night Heron, **52**; Mallard, 214; Black Duck, 151; Gadwall, 4; Redhead, 1; Ring-necked Duck, 57; Canvas-back, 98; Lesser Scaup, 103; Am. Golden-eye, 4; Buffle-head, 4; Ruddy Duck, 1; Red-breasted Merganser, 1; Turkey Vulture, 16; Black Vulture, 83; Cooper's Hawk, 7; Red-tailed Hawk, 11; Red-shouldered Hawk, 8; Marsh Hawk, 2; Sparrow Hawk, 47; Bob-white, 40; Killdeer, 23; Herring Gull, 57; Ring-billed Gull, 210; **Franklin's Gull, 1** (present to Dec. 25—many observers); Mourning Dove, 76; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 22; Pileated Woodpecker, 6; Red-bellied Woodpecker, 33; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 76; Eastern Phoebe, 2; Horned Lark, 170; Blue Jay, 110; Am. Crow, 578; Carolina Chickadee, 217; Tufted Titmouse, 226; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 81; Mockingbird, 126; Brown Thrasher, 1; Am. Robin, 233; Eastern Bluebird, 67; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 47; Loggerhead Shrike, 2; Common Starling, **2,925,000**; Myrtle Warbler, 10; House Sparrow, 452; Eastern Meadowlark, 118; Red-winged Blackbird, **1,491,750**; Rusty Blackbird, **31,500**; **Brewer's Blackbird, 1** (male—A.S., J.C.); Purple Grackle, **1,111,500**; Brown-headed Cowbird, 263,250; Cardinal, 365; Purple Finch, 20; Pine Siskin, 55; Am. Goldfinch, 114; Eastern Towhee, 29; Savannah Sparrow, 1; Slate-colored Junco, 447; Am. Tree Sparrow, 164; Field Sparrow, 55; White-crowned Sparrow, 96; White-throated Sparrow, 65; Fox Sparrow, 2; Swamp Sparrow, 56; Song Sparrow, 236; Lapland Longspur, 1. **Total,** 82 species; about 4,505,606 individuals. (Seen in area count week: Hermit Thrush.) [Exceptionally neat report with substantiating details for all unusual observations—Ed.]—Mr. and Mrs. William M. Able, Mr. and Mrs. Yancey Altsheler, Leonard C. Brecher, Floyd Carpenter, W. M. Clay, Joseph E. Croft, Mrs. C. A. Hardwick, Mrs. Charles Horner, Frank H. Krull, Frank X. Krull, Harvey B. Lovell, John Lovell, Burt L. Monroe, Jr., Burt L. Monroe, Sr. (compiler), Mrs. H. V. Noland, Louis H. Pieper, Marie E. Pieper, Evelyn J. Schneider, Mrs. Beatrice Short, Mr. and Mrs. Francis P. Shannon, Mabel Slack, Anne L. Stamm, Frederick W. Stamm, Mr. and Mrs. Don Summerfield, Mrs. W. B. Tabler, Mrs. Ed Thompson, Virginia Winstandley (Beckham Bird Club).

287. Otter Creek Park, Ky. (Meade County, same territory as previous years; deciduous woods 35%, brushy fields 45%, creek and river bank 10%, farmland 10%).—Jan. 1; 7 a.m. to 4:35 p.m. Cloudy, light snow flurries; temp. 22° to 22°; wind NW, 11 m.p.h.; ground bare, small ponds frozen. Five observers in 2 parties. Total party-hours, 15 (10 on foot, 5 by car); total party-miles, 42 (15 on foot, 27 by car). Mallard, 3; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Bob-white, 32; Killdeer, 1; Ring-billed Gull, 8; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 16; Pileated Woodpecker, 6; Red-bellied Woodpecker, 23; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 22; Horned Lark, 1; Blue Jay, 18; Am. Crow, 35; Carolina Chickadee, 49; Tufted Titmouse, 50; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 27; Mockingbird, 8; **Brown Thrasher,** 1; Am. Robin, 429; Hermit Thrush, 9; Eastern Bluebird, 44; Golden-crowned Kinglet, 13; Cedar Waxwing, **404**; Common Starling, 184; Myrtle Warbler, 59; House Sparrow, 9; Cardinal, 137; Purple Finch, 101; Am. Goldfinch, 74; Eastern Towhee, 25; Slate-colored Junco, 342; Am. Tree Sparrow, 55; Field Sparrow, 11; White-crowned Sparrow, 1; White-throated Sparrow, 13; Fox Sparrow, 2; Swamp Sparrow, 12; Song Sparrow, 24. **Total,** 46 species; about 2273 individu-

als.—Joseph Croft, Harvey B. Lovell, Roderic Sommers, Anne L. Stamm (compiler), Frederick W. Stamm.

288. Big Bald Mountain, Tenn.–N. C. (Unicoi and Yancey Counties; from east fork of Higgins Creek [3400 ft.] to Appalachian Trail [5000 ft.] and summit of Big Bald [5516 ft.], woodland surroundings of latter [5300-4900 ft.]; deciduous woodland 70%, grassy treeless area 30%).—Dec. 21; 7 a.m. to 5:15 p.m. Clear, excellent visibility; temp. 26° to 36°; wind NW, 3-15 m.p.h.; traces of fresh snow from 4200 ft. up, frost on trees above 5200 ft. One observer. Total hours, 10¼ (all on foot); total miles, 8 (all on foot). Red-tailed Hawk, 1; Ruffed Grouse, 14; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 3; Blue Jay, 2; Carolina Chickadee, 3; Tufted Titmouse, 5; White-breasted Nuthatch, 8; Winter Wren, 1; Carolina Wren, 1; Cardinal, 1; **Purple Finch, 1**; **Pine Siskin, 6**; Am. Goldfinch, 1; Eastern Towhee, 1; Slate-colored Junco, 16; Song Sparrow, 1; **Snow Bunting, 2** (4 years out of last 5 in same locality at 5500 ft.). **Total,** 19 species; 72 individuals.—Fred W. Behrend.

289. Chattanooga, Tenn. (7½-mile radius centering on Warner Park within city; creek edges 15%, ponds and lakes 45%, roadsides 10%, weedy fields 10%, woodland edges 15%, residential 5%).—Dec. 28; 8 a.m. to 5 p.m. Cloudy, light rain, calm; temp. 46° to 48°. Seven observers in 4 parties. Total party-hours, 17 (12 on foot, 5 by car); total party-miles, 105 (8 on foot, 97 by car). Common Loon, 1; Horned Grebe, 9; Pied-billed Grebe, 10; Double-crested Cormorant, 4; Great Blue Heron, 1; Mallard, 125; Black Duck, 175; Gadwall, 2; Am. Widgeon, 10; Pintail, 10; Canvas-back, 4; Ruddy Duck, 4; Hooded Merganser, 8; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 14; Am. Coot, 1; Killdeer, 8; Herring Gull, 3; Ring-billed Gull, 112; Mourning Dove, 230; Yellow-shafted Flicker, 9; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 13; Eastern Phoebe, 1; Blue Jay, 51; Am. Crow, 41; Carolina Chickadee, 14; Tufted Titmouse, 20; White-breasted Nuthatch, 13; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 16; Mockingbird, 43; Brown Thrasher, 2; Am. Robin, 57; Eastern Bluebird, 31; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 25; Loggerhead Shrike, 2; Common Starling, 300; Myrtle Warbler, 11; Pine Warbler, 2; House Sparrow, 25; Eastern Meadowlark, 223; Rusty Blackbird, 100; Purple Grackle, 2; Brown-headed Cowbird, 2; Cardinal, 53; Purple Finch, 18; Am. Goldfinch, 229; Eastern Towhee, 32; Vesper Sparrow, 1; Slate-colored Junco, 90; Field Sparrow, 34; White-throated Sparrow, 78; Swamp Sparrow, 3; Song Sparrow, 27. **Total,** 64 species; 2236 individuals. (In area count period: Am. Golden-eye, Red-breasted Merganser, Cooper's Hawk, Belted Kingfisher, Brown Creeper, Hermit Thrush.)—Mr. and Mrs. T. S. Barr, Mrs. Leon Cross, Mrs. H. L. Sliger, Mrs. Douglas Tunsberg, Mr. and Mrs. E. M. West (compilers), (Chattanooga Chapter, T. O. S.).

290. Cookeville, Tenn. (8-mile square bounded by Cookeville, Quinnland Lake, Brotherton, Cookeville Reservoir watershed, U. S. Highway 70 N; elevation 1000-1800 ft.; open fields and fencerows 60%, mixed deciduous and coniferous woods 28%, village streets 1%, streams and ponds 1% [10%=?—Ed.]).—Dec. 27; 7:20 a.m. to 5 p.m. Clear to partly cloudy; temp. 32° to 50°; wind S to SE, 0-8 m.p.h. Sixteen observers in 6 parties. Total party-hours, 49 (35 on foot, 14 by car); total party-miles, 173 (24 on foot, 149 by car). Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bob-white, 23; Killdeer, 9; Mourning Dove, 109; **Common Nighthawk, 3** (all field marks carefully observed by 2 observers); Belted Kingfisher, 2; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 87; Am. Crow, 211; Carolina Chickadee, 14; Tufted Titmouse, 36; White-breasted Nuthatch, 3; Winter Wren, 2; Carolina Wren, 23; Mockingbird, 74; Brown Thrasher, 2; Am. Robin, 41; Hermit Thrush, 1; Eastern Bluebird, 92; Cedar Waxwing, 21; Loggerhead Shrike, 7; Common Starling, 466; Myrtle Warbler, 12; House Sparrow, 58; Eastern Meadowlark, 98; Purple Grackle, 1; Cardinal, 139; Purple Finch, 3; Am. Goldfinch, 19; **Red Crossbill, 3**; Eastern Towhee, 46; Vesper Sparrow, 2; Slate-colored Junco, 29; Am. Tree Sparrow, 1; **Chipping Sparrow, 14**; Field Sparrow, 14; White-throated Sparrow, 32; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 22. **Total,** 45 species; about 1760 individuals.—Ralph L. Dunckel (compiler), Susan Snelgrove (Upper Cumberland Bird Club).

291. Great Smoky Mts. National Park, Tenn.–N. C. (7½-mile radius centered 2 miles south of Cades Cove, including Laurel Lake on north, Fontana Dam on south, Chilhowee Reservoir on west, Spence Field on east; open farmland 15%, old fields 25%, forests 30%, reservoirs and stream courses 30%).—Dec. 22; 6:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 25° to 65°; wind mostly S, up to 25 m.p.h.; ground bare at all altitudes and well saturated, mostly open water. Thirty-two observers in 10 parties. Total party-hours, 80 (67 on foot, 13 by car); total party-miles, 105 (47 on foot, 58 by car). Pied-billed Grebe, 13; Great Blue Heron, 3; Canada Goose, 2; Mallard, 24; Ring-necked Duck, 100; Lesser Scaup, 4; Buffle-head, 1; Ruddy Duck, 10; Hooded Merganser, 5; Turkey Vulture, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Ruffed Grouse, 7; Bob-white, 8; Turkey, 5; Am. Coot, 150; Killdeer, 28; Mourning Dove, 45; Belted Kingfisher, 5; Yellow-shafted Flicker, 10; Pileated Woodpecker, 18; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 19; Eastern Phoebe, 12; Horned Lark, 18; Blue Jay, 26; Am. Crow, 254; Black-capped and Carolina Chickadee, 170; Tufted Titmouse, 44; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 10; Brown Creeper, 2; Winter Wren, 4; Carolina Wren, 26; Mockingbird, 8; Am. Robin, 65; Hermit Thrush, 5; Eastern Bluebird, 49; Golden-crowned Kinglet, 135; Ruby-crowned Kinglet, 3; Cedar Waxwing, 12; Common Starling, 124;

Myrtle Warbler, 10; House Sparrow, 20; Eastern Meadowlark, 50; Red-winged Blackbird, 2; Cardinal, 25; Purple Finch, 44; Pine Siskin, 358; Am. Goldfinch, 116; Eastern Towhee, 5; Slate-colored Junco, 182; Field Sparrow, 102; White-throated Sparrow, 55; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 43; **Snow Bunting, 8** (carefully identified by 3 observers). **Total,** 62 species (1 additional subspecies); about 2483 individuals.—Jane Briscoe, John Elson, Mary Enloe, Elizabeth French, Mr. and Mrs. Harold Garlinghouse, Vernon C. Gilbert, Jr., Dave Highbaugh, Phillip Huff, Mr. and Mrs. Bernard Kaiman, Amy Manous, J. T. Mengel, Mrs. Alice D. Miller, Mr. and Mrs. R. A. Monroe, Mrs. E. E. Overton, Paul Pardue, Mr. and Mrs. Kenneth B. Sanders, Mrs. Prince Sluder, Mr. and Mrs. L. F. Smith, Jr., Arthur Stupka (compiler), James T. Tanner, Dr. and Mrs. S. R. Tipton, Ralph J. Zaenglein.

292. Elizabethton, Tenn. (same area as past 13 years with center at Valley Forge; lake border 5%, stream borders 60%, woodlands 20%, open fields 15%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Clear to overcast to light rain all afternoon; temp. 40° to 46°; wind 0-10 m.p.h. Eight observers in 5 parties. Total party-hours, 34 (23 on foot, 11 by car); total party-miles, 142 (17 on foot, 125 by car). Common Loon, 1; Horned Grebe, 10; Pied-billed Grebe, 2; Redhead, 1; Ring-necked Duck, 7; Greater Scaup, 1; Lesser Scaup, 4; Buffle-head, 1; Cooper's Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 14; Killdeer, 36; Mourning Dove, 78; Belted Kingfisher, 10; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 19; Eastern Phoebe, 4; Horned Lark, 35; Blue Jay, 73; Am. Crow, 311; Carolina Chickadee, 50; Tufted Titmouse, 27; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 4; Bewick's Wren, 1; Carolina Wren, 56; Mockingbird, 83; Am. Robin, 21; Hermit Thrush, 4; Eastern Bluebird, 26; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Cedar Waxwing, 310; Loggerhead Shrike, 8; Common Starling, 409; Myrtle Warbler, 151; House Sparrow, 119; Eastern Meadowlark, 66; Cardinal, 131; Purple Finch, 11; Am. Goldfinch, 125; Eastern Towhee, 16; Savannah Sparrow, 2; Slate-colored Junco, 85; Field Sparrow, 71; White-crowned Sparrow, 17; White-throated Sparrow, 105; Fox Sparrow, 1; Song Sparrow, 57. **Total,** 54 species; about 2602 individuals.—J. C. Browning, Ed Davidson, Glenn Eller, Harry Farthing, Ray Garrison, Lee R. Herndon (compiler), Mrs. Ruth D. Hughes, Roby D. May, Jr.

293. Kingsport, Tenn. (same area as usual, circle of 7½-mile radius centering on Pactolus, including southeastern slope Rays Mt., confluence of forks of Holston River; fields 30%, wooded land 40%, ponds, river and lake fronts 30%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 28° to 45°; wind 5-10 m.p.h.; open water, no snow or ice. Eleven observers in 8 parties. Total party-hours, 32 (23 on foot, 9 by car); total party-miles, 134 (18 on foot, 116 by car). Common Loon. 1; Horned Grebe, 1; Pied-billed Grebe, 26; Great Blue Heron, 2; Mallard, 6; Black Duck, 2; Ring-necked Duck, 28; Turkey Vulture, 4; Black Vulture, 7; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Killdeer, 123; Herring Gull, 30; Mourning Dove, 28; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 13; Horned Lark, 9; Blue Jay, 44; Am. Crow, 74; Carolina Chickadee, 71; Tufted Titmouse, 51; White-breasted Nuthatch, 10; Brown Creeper, 1; Bewick's Wren, 1; Carolina Wren, 36; Mockingbird, 61; Am. Robin, 19; Eastern Bluebird, 27; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 7; Loggerhead Shrike, 2; Common Starling, 10,000; Myrtle Warbler, 89; Pine Warbler, 3; House Sparrow, 76; Eastern Meadowlark, 9; Cardinal, 63; Purple Finch, 8; Am. Goldfinch, 41; Eastern Towhee, 25; Slate-colored Junco, 50; Field Sparrow, 18; White-crowned Sparrow, 2; White-throated Sparrow, 58; Song Sparrow, 39. **Total,** 50 species; about 1192 individuals.—Dr. and Mrs. M. J. Adams, John J. Finucane, Thomas W. Finucane, W. E. Gift, Helen Harris, William B. Hincke, W. C. McHorris, Mrs. Merle Pike, Ann Harney Switzer (compiler), Howard S. Young.

294. Knoxville, Tenn. (15-mile diameter circle with center at Sharps Gap).—Dec. 29; 6 a.m. to 7 p.m. Clear to slight overcast; temp. 30° to 45°; wind variable, 0-10 m.p.h. Twelve observers in 7 parties. Total party-hours, 30 (9 on foot, 21 by car); total party-miles, 77 (9 on foot, 68 by car). Pied-billed Grebe, 4; Great Blue Heron, 2; Mallard, 4; Am. Widgeon, 2; Black Vulture, 5; Red-tailed Hawk, 4; Sparrow Hawk, 5; Killdeer, 38; Wilson's Snipe, 50; Herring Gull, 4; Ring-billed Gull, 80; Mourning Dove, 48; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 15; Blue Jay, 75; Am. Crow, 120; Carolina Chickadee, 70; Tufted Titmouse, 35; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 40; Mockingbird, 82; Brown Thrasher, 1; Am. Robin, 381; Hermit Thrush, 1; Eastern Bluebird, 31; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 3; Cedar Waxwing, 70; Loggerhead Shrike, 4; Common Starling, 750; Myrtle Warbler, 20; Pine Warbler, 1; House Sparrow, 43; Eastern Meadowlark, 47; Purple Grackle, 75; Cardinal, 120; Purple Finch, 30; **Pine Siskin, 152**; Am. Goldfinch, 158; Eastern Towhee, 45; Savannah Sparrow, 2; Slate-colored Junco, 55; Field Sparrow, 50; White-crowned Sparrow, 1; White-throated Sparrow, 106; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 65. **Total,** 56 species; about 2962 individuals. (Seen in circle count period: Bob-white, Screech Owl, Red-headed Woodpecker, Winter Wren.)—Mary Enloe, Mr. and Mrs. H. C. Garlinghouse, David Highbaugh, Mrs. Amy Manous, Robert A. Monroe, Mrs. Robert A. Monroe (compiler), Mrs. Elvin E. Overton, J. B. Owen, Paul Pardue, Mr. and Mrs. Kenneth Sanders.

295. Memphis, Tenn. (1953 areas generally; wooded bottomlands 23%, deciduous woods, city

parks and cemeteries 22%, pastures, airfields, farms 22%, surburban roadsides 30%, river edge 3%).—Dec. 22; 7 a.m. to 5:30 p.m. Fair; temp. 37° to 64°; wind S, 0-8 m.p.h.; standing water, some bottoms inaccessible. Twenty observers in 9 parties. Total party-hours, 86 (56 on foot, 30 by car); total party-miles, 190 (49 on foot, 141 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 105; Gadwall, 3; Pintail, 12; Redhead, 4; Ring-necked Duck, 2; Canvas-back, 24; Lesser Scaup, 93; Turkey Vulture, 45; Black Vulture, 7; Cooper's Hawk, 4; Red-tailed Hawk, 17; Red-shouldered Hawk, 5; **Rough-legged Hawk, 1** (R.D.S., H.W.); Marsh Hawk, 2; Sparrow Hawk, 20; Bob-white, 144; Killdeer, 103; Am. Woodcock, 1; Wilson's Snipe, 35; **Spotted Sandpiper, 1**; **Least Sandpiper, 4** (preceding 2 species carefully identified by 4 observers); Herring Gull, 3; Ring-billed Gull, 41; Mourning Dove, 136; Screech Owl, 1; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 101; Pileated Woodpecker, 2; Red-bellied Woodpecker, 80; Red-headed Woodpecker, 46; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 13; Downy Woodpecker, 49; Eastern Phoebe, 1; Horned Lark, 68; Blue Jay, 580; Am. Crow, 147; Carolina Chickadee, 137; Tufted Titmouse, 89; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 5; Bewick's Wren, 1; Carolina Wren, 86; Mockingbird, 186; Catbird, 1; Brown Thrasher, 65; Am. Robin, 492; Hermit Thrush, 17; Eastern Bluebird, 12; Golden-crowned Kinglet, 44; Ruby-crowned Kinglet, 8; Sprague's Pipit, 2; Cedar Waxwing, 46; Loggerhead Shrike, 47; Common Starling, 400,000; Myrtle Warbler, 44; House Sparrow, 555; Eastern Meadowlark, 538; Western Meadowlark, 8; Red-winged Blackbird, 250,000; Rusty Blackbird, 2000; Brewer's Blackbird, 9; Purple Grackle, **2,500,000**; Brown-headed Cowbird, **350,000**; Cardinal, 696; Purple Finch, 31; Am. Goldfinch, 74; Eastern Towhee, 116; Savannah Sparrow, 55; Slate-colored Junco, 413; Field Sparrow, 357; Harris's Sparrow, 2; White-crowned Sparrow, 17; White-throated Sparrow, 1538; Fox Sparrow, 36; Swamp Sparrow, 139; Song Sparrow, 270. **Total,** 82 species; about 3,510,064 individuals.—John T. Bigham, Ben B. Coffey (compiler), Mrs. Ben B. Coffey, Mary Davant, Oliver Irwin, Luther F. Keeton, Edward M. King, Mrs. J. H. McWhorter, Nelle Moore, George Peyton, Jr., Edwin Poole, S. Jack Rini, Mrs. Arlo I. Smith, Lynn Smith, R. Demett Smith, Jr., Mrs. M. L. Torti, Wendell L. Whittemore, Harry Wilcox, Mr. and Mrs. C. E. Wilmeth (Memphis Chapter, T. O. S.).

296. Nashville, Tenn. (same area as in past 7 years.).—Dec. 28; 6:30 a.m. to 5 p.m. Fog early, mostly cloudy thereafter; temp. 41° to 44°; wind SW, 5-10 m.p.h.; ground bare, water in sloughs. Fifteen observers in 7 parties. Total party-hours, 54 (25 on foot, 29 by car); total party-miles, 132 (26 on foot, 106 by car). Pied-billed Grebe, 2; Great Blue Heron, 3; Black-crowned Night Heron, 21; Mallard, 6; Black Duck, 3; Ring-necked Duck, 14; Canvas-back, 14; Lesser Scaup, 18; Ruddy Duck, 1; Am. Merganser, 1; Black Vulture, 5; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 23; Bob-white, 39; Killdeer, 148; Wilson's Snipe, 2; Herring Gull, 2; Ring-billed Gull, 13; Mourning Dove, 183; Horned Owl, 3; Belted Kingfisher, 8; Yellow-shafted Flicker, 50; Pileated Woodpecker, 11; Red-bellied Woodpecker, 31; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 6; Downy Woodpecker, 66; Eastern Phoebe, 2; Horned Lark, 147; Blue Jay, 57; Am. Crow, 1200; Carolina Chickadee, 118; Tufted Titmouse, 67; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 3; Bewick's Wren, 6; Carolina Wren, 106; Mockingbird, 126; Am. Robin, 355 (300 at roost); Hermit Thrush, 4; Eastern Bluebird, 87; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 1; Water Pipit, 7; Cedar Waxwing, 36; Loggerhead Shrike, 15; Common Starling, 10,000; Myrtle Warbler, 76; House Sparrow, 300; Eastern Meadowlark, 147; Red-winged Blackbird, 44; Purple Grackle, 100; Brown-headed Cowbird, 9; Cardinal, 360; Purple Finch, 51; Am. Goldfinch, 535; Eastern Towhee, 85; Savannah Sparrow, 3; **Leconte's Sparrow, 1**; Slate-colored Junco, 277; Field Sparrow, 126; White-crowned Sparrow, 94; White-throated Sparrow, 127; Fox Sparrow, 23; Swamp Sparrow, 44; Song Sparrow, 116. **Total,** 70 species; about 15,575 individuals. (Seen count period: **Brewer's Blackbird**.)—B. H. Abernathy, Mrs. W. F. Bell, Mrs. Ovid Collins, Mrs. Leon DeBrohun, Charles Farrell, Albert F. Ganier (compiler), Edward Gleaves, Mrs. Katherine Goodlet, Will T. Hon, Mrs. Amelia R. Laskey, George R. Mayfield, John Ogden, Henry E. Parmer, Jennie Riggs, Michael Tine, Ruth White (Nashville Chapter, T. O. S.)

297. Reelfoot Lake, Tenn. (same area as in past but water 4 ft. above normal with much wooded bottoms inundated; roadside 25%, fields and farms 20%, lake 15%, marsh 2%, wooded hillside 23%, wooded bottoms 10%, cypress swamp 5%).—Jan. 1; 7 a.m. to 5:30 p.m. Clear; temp. 25° to 37°; wind NW, 5-20 m.p.h. Fifteen observers in 5 parties. Total party-hours, 47 (36 on foot, 6 by car, 5 by boat); total party-miles, 189 (54 on foot, 120 by car, 15 by boat). Horned Grebe, 1; Pied-billed Grebe, 8; Great Blue Heron, 8; Canada Goose, 2008; Mallard, 23,000; Black Duck, 256; Gadwall, 1500; Pintail, 2; Green-winged Teal, 12; Blue-winged Teal, 1; Shoveller, 800; Ring-necked Duck, 2700; Lesser Scaup, 852; Am. Golden-eye, 14; Buffle-head, 4; Ruddy Duck, 60; Hooded Merganser, 2; Turkey Vulture, 2; Black Vulture, 13; Red-tailed Hawk, 23; Red-shouldered Hawk, 9; Bald Eagle, 15; Marsh Hawk, 2; Sparrow Hawk, 11; Bob-white, 1; Am. Coot, 4000; Killdeer, 20; **Solitary Sandpiper, 1** (carefully identified); Herring Gull, 8; Ring-billed Gull, 470; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 33; Pileated Woodpecker, 5; Red-bellied Woodpecker, 49; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 8; Blue Jay, 26; Am. Crow, 217; Carolina Chickadee, 32; Tufted Titmouse, 19; White-breasted Nuthatch, 2; Brown Creeper, 1; **House Wren, 1**; Winter Wren, 1; Caro-

lina Wren, 20; Mockingbird, 35; Brown Thrasher, 7; Am. Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 8; Loggerhead Shrike, 20; Common Starling, 100,000; Myrtle Warbler, 2; House Sparrow, 507; Eastern Meadowlark, 119; Red-winged Blackbird, 2,250,000; Purple Grackle, 75,000; Brown-headed Cowbird, 200; Cardinal, 243; Purple Finch, 1; Am. Goldfinch, 157; Eastern Towhee, 1; Slate-colored Junco, 112; Field Sparrow, 10; White-crowned Sparrow, 4; White-throated Sparrow, 64; Fox Sparrow, 4; Swamp Sparrow, 10; Song Sparrow, 68. **Total,** 75 species; about 2,462,853 individuals. (Seen in area count period: Double-crested Cormorant, Hutchin's Goose, Am. Widgeon, Wood Duck, Redhead, Canvas-back, Am. Merganser.)—Evelyn Barbig, Howard Barbig (compiler), W. Fickle, Fred Griffin, Hunter Hancock, Christine Hancock, Preston Lane, Charles McPherson, Gerhardt Megow, William Sledd.

298. **Roan Mountain, Tenn.–N. C.** (Carter Co., Tenn., Mitchell and Avery Cos., N. C. Old road Carolina side to 5200 ft., return to Carver's Gap at 5512 ft.; new road, Balsam Road and Rhododendron Gardens to Roan High Bluff at 6250 ft., return old road to Carver's Gap; by way of Round Bald and Jane Bald to Grassy Ridge Bald at 6189 ft., return same route to Carver's Gap; balsam and spruce mixed with rhododendron, alder and briars 60%, grassy area partly overgrown with alder and rhododendron [*catawbiense*] 40%).—Dec. 22; 6:45 a.m. to 5 p.m. Clear, excellent visibility; temp. 38° to 44°; wind SW to S, 10-25 m.p.h.; ground bare. One observer. Total hours, 10¼ (all on foot); total miles, 11 (all on foot). Ruffed Grouse, 2; Blue Jay, 14; Common Raven, 2; Am. Crow, 2; Red-breasted Nuthatch, 20; Winter Wren, 1; Am. Robin, 32; Golden-crowned Kinglet, 2; **Evening Grosbeak, 93+**; **Purple Finch, 3**; **Pine Siskin, 39**; Am. Goldfinch, 2; Eastern Towhee, 4; Slate-colored Junco, 48. **Total,** 14 species; more than 264 individuals.—Fred W. Behrend.

299. **Unaka Mountain and Beauty Spot, Tenn.–N. C.** (Unicoi Co., Tenn., Mitchell Co., N. C.; drive on Unaka Mt. Road from Limestone Cove side to Indian Grave Gap and down to Poplar School, returning same way, stopping for walks; elevation 2800-4800-2300 ft.).—Dec. 29; 7 a.m. to 5 p.m. Heavy cloudiness, then mackerel overcast; temp. 22° to 41°; wind N to W, 1-12 m.p.h.; trees covered with frost a.m. One observer. Total hours, 10 (3½ on foot, 6½ by car); total miles, 31 (5 on foot, 26 by car). Red-tailed Hawk, 1; Ruffed Grouse, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 2; Am. Crow, 3; Carolina Chickadee, 12; Tufted Titmouse, 3; Carolina Wren, 1; Am. Robin, 1; Cardinal, 7; **Pine Siskin, 36**; Slate-colored Junco, 4. **Total,** 15 species; 79 individuals.—Fred W. Behrend.

300. **Yellow Mountain–Big Yellow Bald, Tenn.–N. C.** (Carter Co., Tenn., including Hump Mountain; Avery Co., N. C., approach from Upper Shell Creek, Tenn.; altitude 3500 ft. to 5587 ft.).—Dec. 31; 7 a.m. to 6 p.m. Clear to heavy overcast; temp. 27° to 40°; wind SE to S to W, 3-25 m.p.h.; traces of snow from 4700 ft. upward. One observer. Total hours, 11 (all on foot); total miles, 13 (all on foot). Sparrow Hawk, 1; Ruffed Grouse, 2; Downy Woodpecker, 1; Am. Crow, 24; Tufted Titmouse, 7; White-breasted Nuthatch, 1; Carolina Wren, 1; Eastern Meadowlark, 1; **Evening Grosbeak, 1**; Slate-colored Junco, 3. **Total,** 10 species; 42 individuals.—Fred W. Behrend.

301. **Birmingham, Ala.** (same 15-mile diameter circle for last 22 years, centering in New Merkel and including areas between East Lake, Oak Mountain, Elmwood Cemetery, Lake Purdy; residential areas 28%, oak–pine woods 25%, woodland borders 16%, short grass, pastures 15%, lakes and ponds 14%, tall grass 2%).—Dec. 28; 6:30 a.m. to 5 p.m. Rain till noon, overcast till 2, then clear; temp. 34° to 53°; wind N, 1-17 m.p.h.; rainfall excess for year about 7 inches; 14° temp. Dec. 11. Twenty-one observers in 6 parties. Total party-hours, 52 (41 on foot, 11 by car); total party-miles, 209 (34 on foot, 175 by car). Common Loon, 1; Pied-billed Grebe, 84; Great Blue Heron, 4; Mallard, 2; Ring-necked Duck, 100; Canvas-back, 31; Lesser Scaup, 57; Am. Golden-eye, 1; Ruddy Duck, 2; Red-breasted Merganser, 2; Cooper's Hawk, 5; Red-tailed Hawk, 4; Red-shouldered Hawk, 6; Marsh Hawk, 1; **Pigeon Hawk, 1** (first count record—M.H.P.); Sparrow Hawk, 9; Bob-white, 20; Am. Coot, 365; Killdeer, **230**; Wilson's Snipe, 16; Mourning Dove, **313**; Barred Owl, 1; Belted Kingfisher, 16; Yellow-shafted Flicker, 78; Pileated Woodpecker, **20**; Red-bellied Woodpecker, **43**; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, **17**; Hairy Woodpecker, 11; Downy Woodpecker, 30; Red-cockaded Woodpecker, 4; Eastern Phoebe, 5; Blue Jay, 166; Am. Crow, 117; Carolina Chickadee, 107; Tufted Titmouse, 86; White-breasted Nuthatch, **38**; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, **45**; Brown Creeper, 2; House Wren, 2; Winter Wren, 7; Bewick's Wren, 3; Carolina Wren, 64; Mockingbird, **212**; Brown Thrasher, 18; Am. Robin, **483**; Hermit Thrush, 21; Eastern Bluebird, 72; Golden-crowned Kinglet, 83; Ruby-crowned Kinglet, 71; Water Pipit, 42; Cedar Waxwing, 310; Loggerhead Shrike, 20; Common Starling, **18,400**; Myrtle Warbler, 70; Pine Warbler, 27; Palm Warbler, 4; Common Yellowthroat, 3; House Sparrow, 350; Eastern Meadowlark, 322; Red-winged Blackbird, 233; Rusty Blackbird, 153; Purple Grackle, 114; Brown-headed Cowbird, 118; Cardinal, **333**; Purple Finch, 138; Pine Siskin, 7; Am. Goldfinch, 376; Eastern Towhee, 266; Savannah Sparrow, 29; Vesper Sparrow, 15; Slate-colored Junco, **814**; Chipping Sparrow, 110; Field Sparrow, 292; White-crowned Sparrow, 4; White-throated Sparrow, **691**; Fox Sparrow, **28**; Swamp Sparrow, 48; Song Sparrow, 158. **Total,** 80 species; about 26,560 individuals. (Seen count week, Turkey Vulture, Black Vulture, Peregrine Falcon, Screech Owl, Horned Owl, Sora.) [Exceptionally neat, carefully prepared report—Ed.]—Ruth Brunson, Freder-

ick T. Carney, Blanche H. Chapman, Ruth Copeland, F. Bozeman Daniel, Blanche E. Dean, Mildred Ferris, Peggy Friedman, Emmylou Grimley, Dan C. Holliman, Thomas A. Imhof (compiler), Lois McCollough, Clustie McTyeire, Morton H. Perry, Robert Perry, M. F. Prather, Dorothy Roberts, Idalene F. Snead, Grace M. Snead, Harriet H. Wright, Larry Wright (Birmingham Audubon Society).

302. Dauphin Island, Ala. (same 15-mile diameter circle centered on southern tip of Mon Luis Isle, including Cedar Point, Coden, Bayou La Batre, Bellingrath Gardens, all but westernmost 4 miles of Dauphin Island; pine–hardwoods 33%, mud, sand, and shell flats 17%, pine woods 14%, salt water 13%, salt marsh 12%, farms and towns 8%, fresh marsh and ponds 3%).—Dec. 21; 5:40 a.m. to 6 p.m. Clear; temp. 40° to 64°; wind WNW to SSE, 5-15 m.p.h. Eight observers in 5 parties. Total party-hours, 42 (31 on foot, 9 by car, 2 in boat); total party-miles, 250 (28 on foot, 209 by car, 13 in boat). Common Loon, 18; Horned Grebe, **394**; Pied-billed Grebe, 8; White Pelican, 6; Brown Pelican, **2** (apparently a severe kill from Audrey and succeeding storms); Double-crested Cormorant, 585+; Great Blue Heron, 37; Am. Egret, 2; Louisiana Heron, 5; Little Blue Heron, 3; Black-crowned Night Heron, 3; Mallard, 2; Black Duck, 11; Gadwall, 13; Am. Widgeon, 2; Ring-necked Duck, 2; Canvas-back, 4; Greater Scaup, 52; Lesser Scaup, 1850+; Am. Golden-eye, 213; Buffle-head, 1; **Am. Scoter, 8** (T.I.); Red-breasted Merganser, 173; Turkey Vulture, 6; Black Vulture, 17; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Bald Eagle, 1; Marsh Hawk, 8; Pigeon Hawk, 1 (A.T.); Sparrow Hawk, 21; Bob-white, 7; Clapper Rail, **44**; Virginia Rail, 2; Sora, 3; Florida Gallinule, 2; Am. Oyster-catcher, 2; Piping Plover, **117**; Snowy Plover, 3; Ringed Plover, 57; Killdeer, 13; Black-bellied Plover, **194**; Ruddy Turnstone, **122**; Am. Woodcock, 2; Wilson's Snipe, 2; **Spotted Sandpiper, 2** (T.I., E.W.); Willet, 5; Greater Yellow-legs, 22; Least Sandpiper, 9; Red-backed Sandpiper, 631; Eastern Dowitcher, 16; Semipalmated Sandpiper, 10; Western Sandpiper, 154; Sanderling, 76; Herring Gull, 345+; Ring-billed Gull, 672+; Laughing Gull, 521+; Forster's Tern, 11; Common Tern, 1 (T.I.); Royal Tern, 81+; Caspian Tern, 200+; Black Skimmer, 140; gulls and terns (spp.), 1250+; Mourning Dove, 29; Ground Dove, 4; Barn Owl, 1; Horned Owl, 1; **Whip-poor-will, 3** (T.I., M.G.); Belted Kingfisher, 34; Yellow-shafted Flicker, 24; Pileated Woodpecker, 1; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, **5**; Downy Woodpecker, 6; Red-cockaded Woodpecker, 1; **Western Kingbird, 1** (A.T.); Eastern Phoebe, 31; Tree Swallow, 530; **Rough-winged Swallow, 1** (L.M.); Blue Jay, 75; Am. Crow, 16; Fish Crow, 358; Carolina Chickadee, 8; Tufted Titmouse, 9; Brown-headed Nuthatch, 12; Brown Creeper, 1 (L.M.); House Wren, 27; Bewick's Wren, 5; Carolina Wren, 42; Long-billed Marsh Wren, 14; Short-billed Marsh Wren, **59**; Mockingbird, 87; Catbird, 5; Brown Thrasher, 56; Am. Robin, 400; Hermit Thrush, 14; Eastern Bluebird, 162; Blue-gray Gnatcatcher, 13; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 28; Water Pipit, 41; Cedar Waxwing, 48; Loggerhead Shrike, 46; Common Starling, 41; Solitary Vireo, 1; Orange-crowned Warbler, 5; Myrtle Warbler, 1100+; Pine Warbler, 80; Palm Warbler, 18; Common Yellowthroat, 27; House Sparrow, 23; Eastern Meadowlark, 87; **Western Meadowlark, 1** (L.M.); Red-winged Blackbird, 1300+; Rusty Blackbird, 37; Brewer's Blackbird, 7 (L.M.); Boat-tailed Grackle, 7; Purple Grackle, 15; Brown-headed Cowbird, 35; Cardinal, 112; **Black-headed Grosbeak, 1** (male carefully identified); **Purple Finch, 2** (E.W.); Am. Goldfinch, 117; Eastern Towhee, 108; Savannah Sparrow, 32; Sharp-tailed Sparrow, **24**; Seaside Sparrow, 18; Pine-woods Sparrow, 3; Slate-colored Junco, **12**; Chipping Sparrow, 18; Field Sparrow, 20; White-crowned Sparrow, 2; White-throated Sparrow, 141; Swamp Sparrow, 83; Song Sparrow, 27. **Total,** 137 species; about 13,902 individuals. (Seen count week: Blue Goose, Old-squaw, Peregrine Falcon, Cabot's Tern, Bullock's (?) Oriole).—M. Wilson Gaillard, Rosemary Gaymer, Ellen Heine, Thomas A. Imhof (compiler), Electa D. Levi, Lois McCollough, Ava R. Tabor, Edwin O. Willis (Ala. O. S., La. O. S.).

303. Marion, Ala. (15-mile diameter including Marion Fish Cultural Station, Judson College Campus, Lakeland Farm, Cahaba River bottomland; swampy river bottomland 15%, deciduous woods mixed with conifers 25%, fencerows and field borders 5%, open grassy, weedy and cultivated fields 20%, lakes, ponds, and borders 30%, residential 5%).—Dec. 27; 5:30 a.m. to 5:45 p.m. Clear to overcast, heavy frost; temp. 32° to 55°; wind W to NW, 0-10 m.p.h.; weather plus firecrackers and guns kept ducks away from ponds. Four observers in 2 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 94 (11 on foot, 83 by car). **Common Loon, 2**; Pied-billed Grebe, 39; Double-crested Cormorant, 1; Great Blue Heron, 8; Black-crowned Night Heron, 1; Mallard, 87; Black Duck, 1; Gadwall, 19; Am. Widgeon, 2; Green-winged Teal, 4; Ring-necked Duck, 49; Canvas-back, 2; Lesser Scaup, 19; Ruddy Duck, 3; Turkey Vulture, 39; Black Vulture, 59; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 7; **Sora, 1**; Am. Coot, 17; Killdeer, **565**; Wilson's Snipe, 137; Least Sandpiper, **145**; Mourning Dove, 6; Screech Owl, 1; Horned Owl, 2; Barred Owl, 6; **Long-eared Owl, 1**; Belted Kingfisher, 10; Yellow-shafted Flicker, 29; Pileated Woodpecker, 4; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 7; Eastern Phoebe, 15; Horned Lark, **355**; Blue Jay, 40; Am. Crow, 470; Carolina Chickadee, 21; Tufted Titmouse, 19; Brown-headed Nuthatch, 2; House Wren, 2; Winter Wren, 10; Bewick's Wren, 5; Carolina Wren, 26; **Long-billed Marsh Wren, 1**; Short-billed Marsh Wren, 1; Mockingbird, 35; **Catbird, 3**; Brown Thrasher, 31; Am. Robin, 378; Hermit Thrush, 14; Eastern Bluebird, 50; **Blue-gray Gnatcatcher, 2**; Golden-

crowned Kinglet, 14; Ruby-crowned Kinglet, 46; Water Pipit, 271; Cedar Waxwing, 40; Loggerhead Shrike, 27; Common Starling, 268; **Orange-crowned Warbler, 1**; Myrtle Warbler, 165; Pine Warbler, 3; Palm Warbler, 3; Common Yellowthroat, 7; House Sparrow, 160; Eastern Meadowlark, 188; **Western Meadowlark, 2**; Red-winged Blackbird, 4; Rusty Blackbird, 37; Purple Grackle, 70; Brown-headed Cowbird, 1; Cardinal, 126; **Purple Finch, 1**; **Pine Siskin, 2**; Am. Goldfinch, 19; Eastern Towhee, 83; Savannah Sparrow, 145; Vesper Sparrow, 16; Pine-woods Sparrow, 5; Slate-colored Junco, 27; Chipping Sparrow, 27; Field Sparrow, 76; White-crowned Sparrow, **42**; White-throated Sparrow, **322**; Fox Sparrow, 11; **Lincoln's Sparrow, 2**; Swamp Sparrow, 75; Song Sparrow, **105**; Lapland Longspur, 65; **Smith's Longspur, 1. Total,** 95 species; about 5287 individuals. (Seen count period: Cooper's Hawk.) [Careful details submitted for all unusual observations—Ed.]—Dan Holliman, Thomas A. Imhof, Lois McCollough (compiler), Clustie McTyeire.

304. Hickory Flat, Miss. (same area as 1955; deciduous woods 35%, upland pine 20%, roadsides, weedy fields 35%, pastures 10%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 43° to 54°; wind calm. One observer. Total hours, 9½ (4½ on foot, 5 by car); total miles, 44 (4 on foot, 40 by car). Turkey Vulture, 22; Black Vulture, 70; Red-tailed Hawk, 3; **Rough-legged Hawk, 1**; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 12; Killdeer, 85; Mourning Dove, 72; Yellow-shafted Flicker, 11; Pileated Woodpecker, 3; Red-bellied Woodpecker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 11; Am. Crow, 43; Carolina Chickadee, 9; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 13; Carolina Wren, 6; Mockingbird, 5; Am. Robin, 78; Hermit Thrush, 1; Eastern Bluebird, 25; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 13; Common Starling, 58; Myrtle Warbler, 2; Pine Warbler, 3; House Sparrow, 74; Eastern Meadowlark, 179; Western Meadowlark, 2; Red-winged Blackbird, 91; Rusty Blackbird, 36; **Brewer's Blackbird, 4**; Purple Grackle, 138; Brown-headed Cowbird, 50; Cardinal, 57; **Pine Siskin, 17**; Am. Goldfinch, 25; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 139; Field Sparrow, 39; White-throated Sparrow, 86; Swamp Sparrow, 15; Song Sparrow, 27; **Lapland Longspur, 2. Total,** 50 species; about 1599 individuals.—R. Demett Smith, Jr.

305. Natchez, Miss. (1954 areas plus Lower Woodville Rd., less Pine Ridge Rd.; deciduous woods 40%, pines 15%, pastures and airfields 22%, roadside and weedy fields 18%, river front 5%).—Dec. 29; 7 a.m. to 5:30 p.m. Clear; temp. 30° to 60°; wind 0-3 m.p.h. Three observers separately to 9:30 a.m., by one car afterwards. Total party-hours, 15 (9 on foot, 6 by car); total party-miles, 42 (8 on foot, 34 by car). Pied-billed Grebe, 4; Turkey Vulture, 6; Black Vulture, 14; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Sparrow Hawk, 5; Bob-white, 19; Killdeer, 90; Wilson's Snipe, 7; Herring Gull, 2; Ring-billed Gull, 6; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 59; Pileated Woodpecker, 5; Red-bellied Woodpecker, 91; Red-headed Woodpecker, 58; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 4; Downy Woodpecker, 8; Eastern Phoebe, 11; Blue Jay, 162; Am. Crow, 36; Carolina Chickadee, 22; Tufted Titmouse, 41; Brown-headed Nuthatch, 5; House Wren, 2; Winter Wren, 5; Carolina Wren, 66; Mockingbird, 46; Brown Thrasher, 40; Am. Robin, 188; Hermit Thrush, 24; Eastern Bluebird, 29; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 29; Water Pipit, 53; Sprague's Pipit, 3; Cedar Waxwing, 51; Loggerhead Shrike, 21; Common Starling, 42; Blue-headed Vireo, 3; Orange-crowned Warbler, 4; Myrtle Warbler, 109; Pine Warbler, 2; House Sparrow, 56; Eastern Meadowlark, 134; Red-winged Blackbird, 24; Rusty Blackbird, 5; Purple Grackle, 5; Brown-headed Cowbird, 75; Cardinal, 234; Purple Finch, 6; Am. Goldfinch, 35; Eastern Towhee, 83; Savannah Sparrow, 25; Leconte's Sparrow, 2; Slate-colored Junco, 29; Chipping Sparrow, 7; Field Sparrow, 111; White-crowned Sparrow, 3; White-throated Sparrow, 436; Fox Sparrow, 161; Swamp Sparrow, 52; Song Sparrow, 86. **Total,** 66 species; about 2972 individuals.—Ben B. Coffey, Jr. (compiler), Mrs. Ben B. Coffey, Jr., R. Demett Smith, Jr.

306. Almont, Mich. (7½-mile radius centering on Mack and Fisher Roads in Macomb Co.; circumference touching Dryden Road on north, Twenty-seven Mile Road on south, Coon Creek Road on east, Delano Road on west; town suburbs 5%, abandoned brushy fields 20%, lakes 5%, open farmland 20%, roadside borders 50%).—Dec. 21; 7:30 a.m. to 5:30 p.m. Intermittent sun; temp. 34° to 40°; wind SW, 35 m.p.h.; open water prevalent in small ponds. Two observers in 1 party. Total party-hours, 20 (4 on foot, 16 by car); total party-miles, 130 (5 on foot, 125 by car). Black Duck, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bob-white, 11; Ring-necked Pheasant, 23; Herring Gull, 5; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 17; Am. Crow, 11; Black-capped Chickadee, 14; Tufted Titmouse, 5; White-breasted Nuthatch, 5; Common Starling, 70; House Sparrow, 260; Cardinal, 14; Am. Goldfinch, 7; Slate-colored Junco, 2; Am. Tree Sparrow, 20. **Total,** 19 species; about 474 individuals.—Harold Carpenter, James P. Smith (compiler).

307. Ann Arbor, Mich. (same area as previous years; bottomlands and river edge 20%, deciduous woodlots 20%, coniferous plantations 10%, fields and roadsides 45%, tamarack and sphagnum bog 5%).—Dec. 21; 7 a.m. to 5:30 p.m. Mostly clear; temp. 36° to 52°; wind SW, 10-20 m.p.h.; no snow, lakes and rivers clear of ice. Twenty-three observers in 5 parties. Total party-hours, 175 (115 on foot, 60 by car); total party-miles, 265 (30 on foot, 235 by car). Great Blue Heron, 1; Black Duck, 9; Am. Golden-eye, 3; Hooded Merganser, 3; Cooper's Hawk, 3; Red-tailed Hawk, 17; Red-shouldered Hawk, 3; Rough-legged Hawk, 7; Marsh Hawk, 2; Sparrow

Hawk, 8; Bob-white, 50; Ring-necked Pheasant, 41; Killdeer, 1; Herring Gull, 10; Ring-billed Gull, 32; Mourning Dove, 51; Screech Owl, 3; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 12; **Yellow-bellied Sapsucker, 2**; Hairy Woodpecker, 8; Downy Woodpecker, 21; Horned Lark, 14; Blue Jay, 131; Am. Crow, 20; Black-capped Chickadee, 71; Tufted Titmouse, 22; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 11; Brown Creeper, 2; Carolina Wren, 1; Brown Thrasher, 1; Am. Robin, 2; Golden-crowned Kinglet, 12; Cedar Waxwing, 102; Common Starling, 156; Myrtle Warbler, 4; House Sparrow, 562; Eastern Meadowlark, 36; Rusty Blackbird, 3; Cardinal, 86; Evening Grosbeak, 3; Purple Finch, 14; Pine Grosbeak, 12; **Common Redpoll, 5**; Am. Goldfinch, 168; **White-winged Crossbill, 1**; Eastern Towhee, 1; Slate-colored Junco, 78; Am. Tree Sparrow, 167; **Chipping Sparrow, 1** [no details—Ed.]; **White-throated Sparrow, 1**; **Fox Sparrow, 1**; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 57 species; about 2018 individuals. (Seen in area count week: Mallard, Green-winged Teal, Ruffed Grouse, Loggerhead Shrike, Purple Grackle, Pine Siskin.)—Dorothy Blanchard, Helen Blanchet, Margaret Branch, Ralph Branch, George Chaniot, Marjorie Dean, Marie Donegan, Carl Freeman, Judy Freeman, Olene Freeman, Wilfred Goodman, William Hopkins, Robert Kirby, Reuel Kenyon, Maxine Miles, Vaden Miles, John Rood, Arthur Slater, Ann Sleight, Norma Spansail, Haven Spencer, Priscilla Stockwell, John E. Willoughby (compiler).

308. Bangor–South Haven, Mich. (2 miles east of Bangor southwest to Van Auken Lake, northwest to Palisades Park, north along Lake Michigan to South Haven, northeast to Allegan Co. line, southeast to Breedsville; open farmland 50%, upland woods 20%, lowland woods 10%, fencerows 5%, lake and shore 5%, marsh 5%, village 5%).—Dec. 31; 8 a.m. to 5:30 p.m. Heavy snowfall, 6 inches by 5 p.m.; temp. 27° to 32°; wind variable, 0-5 m.p.h. Four observers in 1 party. Total party-hours, 9½ (7½ on foot, 2 by car); total party-miles, 32 (5 on foot, 27 by car). Am. Golden-eye, 5; Am. Merganser, 3; Bob-white, 7; Ring-necked Pheasant, 2; Herring Gull, 250; Ring-billed Gull, 125; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 3; Blue Jay, 5; Black-capped Chickadee, 15; Tufted Titmouse, 5; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 2; Common Starling, 79; House Sparrow, 130; Cardinal, 15; Slate-colored Junco, 15; Am. Tree Sparrow, 80; Song Sparrow, 4. **Total,** 21 species; about 756 individuals. (Seen count period: scaup (sp.), Sparrow Hawk, Ruffed Grouse, Mourning Dove, Screech Owl, Am. Crow.)—Max Adler (compiler), Glenn Cowles, Neil Goodrich, Ted Van Velzen (South Haven Audubon Society).

309. Battle Creek, Mich. (15-mile diameter from Battle Creek to Gull Lake, Wintergreen Lake, W. K. Kellogg Bird Sanctuary, Kellogg Forestry area; lake shore 30%, deciduous woodlots 20%, coniferous woodlots 20%, wooded river borders 20%, roadsides and fields 10%).—Dec. 21; 6:50 a.m. to 5:40 p.m. Clear; temp. 31° to 49°; wind SSW, 5-18 m.p.h.; no snow, lakes open, very mild weather previous week. Seven observers in 3 parties. Total party-hours, 27 (15 on foot, 12 by car); total party-miles, 85 (14 on foot, 71 by car). Canada Goose, 810; Mallard, 225; Black Duck, 332; Gadwall, 17; Redhead, 2; Ring-necked Duck, 1; Canvas-back, 31; Am. Golden-eye, 50; Buffle-head, 3; Hooded Merganser, 1; Am. Merganser, 5; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Bob-white, 23; Ring-necked Pheasant, 5; Am. Coot, 29; Herring Gull, 7; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 2; Blue Jay, 32; Am. Crow, 3; Black-capped Chickadee, 45; Tufted Titmouse, 23; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Brown Creeper, 4; Am. Robin, 2; Golden-crowned Kinglet, 25; Cedar Waxwing, 9; Common Starling, 16; House Sparrow, 48; Cardinal, 51; Evening Grosbeak, 16; Purple Finch, 10; Pine Grosbeak, 12; Pine Siskin, 3; Am. Goldfinch, 7; Slate-colored Junco, 20; Am. Tree Sparrow, 36; Song Sparrow, 1. **Total,** 49 species; about 1943 individuals. [Exceptionally neat, carefully prepared report—Ed.]—D. R. Altemus, E. M. Brigham, Jr., E. Dahlman, W. A. Dyer, R. D. Van Deusen, L. H. Walkinshaw (compiler), C. N. Walters.

310. Bay City, Mich. (same area as 1956).—Dec. 28; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 32° to 40°; wind SE, 0-10 m.p.h.; 2-in. snow, Saginaw Bay and river open, ponds frozen. Fifteen observers in 3 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 250 (20 on foot, 230 by car). Mallard, 4; Black Duck, 348; Canvas-back, 1; Am. Golden-eye, 11; Am. Merganser, 2000; Red-breasted Merganser, 2; Red-tailed Hawk, 10; Rough-legged Hawk, 17; Marsh Hawk, 6; Sparrow Hawk, 3; Ring-necked Pheasant, 217; Am. Coot, 1; Herring Gull, 963; Ring-billed Gull, 1; Mourning Dove, 72; Barn Owl, 2; **Yellow-shafted Flicker, 1**; Hairy Woodpecker, 3; Downy Woodpecker, 6; Horned Lark, 55; Blue Jay, 48; Am. Crow, 193; Black-capped Chickadee, 15; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 4; Gray Shrike, 2; Common Starling, 188; House Sparrow, 851; **Purple Grackle, 1**; Brown-headed Cowbird, 2; Cardinal, 22; Pine Grosbeak, 12; Slate-colored Junco, 8; Am. Tree Sparrow, 112; Song Sparrow, 8; Lapland Longspur, 10; Snow Bunting, 280. **Total,** 40 species; about 5490 individuals.—Vic. Beckler, V. R. Bowen, Henry J. Grefe, Robert Grefe, Eugene E. Kenaga (compiler), Paula A. Lavoy, Ethel Staudacher, F. Lowell Taylor, Bruce Winchell, Grant Winchell, A. W. Winston, Jr., David Winston, Dorothy Wolf, Larry Wolf, Mark A. Wolf.

311. Detroit, Mich. (same area as 1956; pasture 15%, towns and suburbs 20%, lake areas 8%, decidu-

ous woods 35%, conifers 8%, plow land 14%).—Dec. 29, 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 27° to 37°; wind SW, 15 m.p.h. Fifty-two observers in 16 parties. Total party-hours, 116 (43 on foot, 73 by car); total party-miles, 875 (83 on foot, 792 by car). Canada Goose, 40; Mallard, 161; Black Duck, 42; Ring-necked Duck, 1; Canvas-back, 43; scaup (sp.), 5; Am. Golden-eye, 117; Hooded Merganser, 1; Am. Merganser, 2; Red-breasted Merganser, 3; **Goshawk, 1** (carefully studied); Cooper's Hawk, 4; Red-tailed Hawk, 26; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 20; Bob-white, 137; Ring-necked Pheasant, 154; Herring Gull, 97; Ring-billed Gull, 214; Mourning Dove, 28; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; **Red-headed Woodpecker, 17**; **Yellow-bellied Sapsucker, 2**; Hairy Woodpecker, 22; Downy Woodpecker, 100; Horned Lark, 1; Blue Jay, 437; Am. Crow, 162; Black-capped Chickadee, 282; Tufted Titmouse, 68; White-breasted Nuthatch, 95; Red-breasted Nuthatch, 23; Brown Creeper, 5; **Carolina Wren, 1**; Am. Robin, 28; **Hermit Thrush, 1** (carefully identified at 8 ft.); Golden-crowned Kinglet, 19; Cedar Waxwing, 1; Gray Shrike, 2; Common Starling, 1047; House Sparrow, 2425; Eastern Meadowlark, 19; **Red-winged Blackbird, 2**; Cardinal, 286; Evening Grosbeak, 29; Purple Finch, 17; Pine Grosbeak, 135; Common Redpoll, 35; Pine Siskin, 30; Am. Goldfinch, 128; **Vesper Sparrow, 1**; Slate-colored Junco, 155; **Oregon Junco, 1** (adult male); Am. Tree Sparrow, 490; Swamp Sparrow, 9; Song Sparrow, 12. **Total,** 60 species; about 7202 individuals.—Helen Blanchet, Robert H. Cornell, Mr. and Mrs. E. M. Cutler, Mr. and Mrs. Richard Davenport, Mr. and Mrs. B. L. Diamond, Mr. and Mrs. George W. Dunn, Mr. and Mrs. W. J. Edgar, Betsy Edgar, Jody Edgar, Roger Eriksson, David French, Dr. and Mrs. Watson Gilpin, Susan Gilpin, Ada Hardy, M. L. Hundley, Robert Hurt, B. G. Hurt, Neil T. Kelley, Mrs. Neil T. Kelley (compiler), Peter Kellie, Laird Kellie, Marlene Kuzmick, Douglas Larkins, Gunter Laubinger, Mr. and Mrs. L. R. Lenz, Harold Mahan, Karen McCotter, Stuart McCotter, Mr. and Mrs. John McMillan, Mr. and Mrs. B. E. Norris, R. Olson, Ralph A. O'Reilly, Jr., Mrs. Thomas Petts, Blanche Rinehart, Mrs. Donald Runck, Bill Saylor, John F. Sieger, Virginia Thompson, Mr. and Mrs. Eugene Trobaugh, Mrs. J. T. Woolfenden, Mr. and Mrs. Robert Wright (Detroit Audubon Society).

312. **Dowagiac, Mich.** (7½-mile radius from Dowagiac; southeast to Cassopolis, west to Summerville, north past Smith and Indian Lakes, east and north to Dewey and Magician Lakes, east to Glenwood, east and south through Russ Forest, south and west to Lake LaGrange; lake shore 16%, swamps and streams 18%, coniferous woodlands 1%, deciduous woodlands 15%, village 10%, farmlands 40%).—Dec. 21; 8 a.m. to 6 p.m. Clear; temp. 33° to 47°; wind SW, 10-20 m.p.h. Three observers in 1 party. Total party-hours, 10 (1 on foot, 9 by car); total party-miles, 79 (1 on foot, 78 by car). Am. Golden-eye, 48; Buffle-head, 1; Red-tailed Hawk, 2; hawk (sp.), 2; Bob-white, 16; Ring-necked Pheasant, 1; Herring Gull, 2; Mourning Dove, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 11; Am. Crow, 9; Black-capped Chickadee, 17; Tufted Titmouse, 19; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Cedar Waxwing, 10; Common Starling, 151; House Sparrow, 249; Brown-headed Cowbird, 2; Cardinal, 22; Am. Goldfinch, 13; Slate-colored Junco, 8; Am. Tree Sparrow, 19; Song Sparrow, 2. **Total,** 25 species; about 619 individuals.—LaVerne Argabright, Letha M. Culver, Marie E. Thompson (compiler).

313. **Imlay City, Mich.** (same area as preceding 8 years; farms and open pasture 50%, fencerows and brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds, streams 5%, White Cedar swamps 1%, village and suburbs 1%).—Dec. 29; 8 a.m. to 5 p.m. Cloudy until noon, then clear; temp. 20° to 25°; wind SW, 15-20 m.p.h.; ground frozen, no snow, most ponds and streams frozen. Twenty-five observers in 7 parties. Total party-hours, 58 (14 on foot, 44 by car); total party-miles, 296 (42 on foot, 254 by car). Canada Goose, 47; Mallard, 43; Black Duck, 150; Cooper's Hawk, 2; Red-tailed Hawk, 21; Red-shouldered Hawk, 2; Rough-legged Hawk, 8; Marsh Hawk, 2; Sparrow Hawk, 7; Ruffed Grouse, 2; Ring-necked Pheasant, 74; Herring Gull, 44; Mourning Dove, 35; Horned Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 43; Blue Jay, 52; Am. Crow, 2765; Black-capped Chickadee, 61; Tufted Titmouse, 9; White-breasted Nuthatch, 18; Brown Creeper, 2; Golden-crowned Kinglet, 2; Gray Shrike, 6; Common Starling, 216; House Sparrow, 1312; Cardinal, 61; Evening Grosbeak, 4; Am. Goldfinch, 286; Slate-colored Junco, 34; Am. Tree Sparrow, 118; Snow Bunting, 43. **Total,** 34 species; about 5484 individuals. [Exceptionally neat, carefully prepared report—Ed.]—Marguerite Best, Harold F. Carpenter, Thelma Cole, Rex Curtis, E. W. Gillard, Beatrice Gillard, Mary Hall, Herbert Huffman, William Huffman, Martha A. Lengemann (compiler), William Mason, Alice Miller, William Mussning, Thomas Osmer, Emma Porter, Dorothy Schultz, Elizabeth Smith, James P. Smith, John Sohlden, Myrtle Terpening, Jack Terry, Phyllis Terry, Henie Wilcox, L. M. Zimmerman, L. P. Zimmerman (Lapeer County Audubon Society).

314. **Kalamazoo, Mich.** (area same as last 9 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water 5%).—Dec. 28; 8:20 a.m. to 5:30 p.m. Sleet, snow showers, then fair; temp. 36° to 22°; wind S to NW, 10-18 m.p.h.; light snow and slush, lakes and stream edges with skim ice. Thirteen observers in 7 parties. Total party-hours, 27 (21 on foot, 6 by car); total party-miles, 174 (26 on foot, 148 by car). Canada Goose, 1; Mallard, 92; Gadwall, 6; Am. Golden-eye, 8; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 2; Bob-white, 13; Ring-necked Pheasant, 5; Wilson's Snipe, 1; Herring Gull, 1; Mourning Dove, 40; Belted King-

fisher, 3; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 80; Blue Jay, 71; Am. Crow, 401; Black-capped Chickadee, 67; Tufted Titmouse, 37; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 6; Brown Creeper, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 25; Common Starling, 106; House Sparrow, 768; **Purple Grackle, 1**; Cardinal, 83; Am. Goldfinch, 154; Slate-colored Junco, 117; Am. Tree Sparrow, 206; Field Sparrow, 2; Song Sparrow, 9. **Total,** 38 species; about 2372 individuals. (Seen in area count period: Evening Grosbeak, Pine Grosbeak.)—Max Adler, Helen Burrell, Mr. and Mrs. C. B. Cook, Letha Culver, Charles Dann, Ray Deur, Walter Freyburger, Gladys A. Hall (compiler), Marie Thompson, Ted Van Velzen, Mr. and Mrs. Harold Wiles.

315. Marquette, Mich. (same area as preceding years, 7-mile radius centering on Front and Washington Sts.; shoreline 30%, urban 10%, marsh 10%, mixed forest 25%, open farmlands and golf course 25%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Cloudy to partly cloudy, snow flurries; temp. 10° to 14°; wind W to NW, 3-14 m.p.h.; 2-in. snow on ground, harbors open, streams mostly covered with ice. Eight observers in 2 parties. Total party-hours, 16 (1½ on foot, 14½ by car); total party-miles, 133 (3 on foot, 130 by car). **Lesser Scaup, 4**; Am. Golden-eye, 64; **Buffle-head, 1**; Am. Merganser, 4; Ruffed Grouse, 1; Herring Gull, 400; Downy Woodpecker, 5; Blue Jay, 26; Common Raven, 2; Am. Crow, 2; Black-capped Chickadee, 35; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 7; **Brown Thrasher, 1** (crippled wing, using feeder daily); Am. Robin, 1; Gray Shrike, 1; Common Starling, 40; House Sparrow, 50; Evening Grosbeak, 45; Pine Grosbeak, 4; Common Redpoll, 20; White-winged Crossbill, 15; Snow Bunting, **300. Total,** 23 species; about 1030 individuals. (Seen count period: Bald Eagle, Hairy Woodpecker.)—Mrs. Florence Beer, Echoe Diebert, Richard Gysendorfer, Susan Lake, Mrs. Mary Spear Ross (compiler), Frieda Schwartz, Rollin Thoren, Edwin C. Weiland.

316. Midland, Mich. (same area as 1955).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. 14° to 35°; wind SW, 0-5 m.p.h.; 1-in. snow, rivers open, ponds frozen. Seven observers in 3 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 160 (10 on foot, 150 by car). Mallard, 30; Black Duck, 336; Am. Golden-eye, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 5; Ring-necked Pheasant, 43; Herring Gull, 1; Mourning Dove, **82**; Long-eared Owl, 9; **Red-headed Woodpecker, 1**; Hairy Woodpecker, 6; Downy Woodpecker, 17; Blue Jay, 43; Am. Crow, **7100**; Black-capped Chickadee, **90**; Tufted Titmouse, 3; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 4; Brown Creeper, 6; **Golden-crowned Kinglet, 4**; Gray Shrike, 3; Common Starling, 107; House Sparrow, 205; Cardinal, 34; Evening Grosbeak, 26; Pine Grosbeak, 9; **Common Redpoll, 12**; Am. Goldfinch, 10; Slate-colored Junco, 29; **Oregon Junco, 1**; Am. Tree Sparrow, 97. **Total,** 36 species; about 8343 individuals.—Robert Grefe, Eugene E. Kenaga (compiler), Bruce Winchell, Grant Winchell, Dorothy Wolf, Larry Wolf, Mark A. Wolf.

317. Mount Clemens, Mich. (area surrounding Anchor Bay, Lake St. Clair, from Selfridge AFB to Harsen's Island; open farmland 22%, second-growth deciduous woodlands 11%, roadside borders 50%, farm buildings 1%, towns and suburbs 4%, open water 12%).—Dec. 28; 8 a.m. to 4:30 p.m. Very cloudy; temp. 30° to 35°; wind NW, 20-25 m.p.h.; ground bare, water open. Nine observers in 4 parties. Total party-hours, 32 (4 on foot, 28 by car); total party-miles, 253 (246 on foot, 7 by car). Whistling Swan, 52; Mallard, 3; Redhead, 4; Canvas-back, 177; scaup (sp.), 111; Am. Golden-eye, 44; Buffle-head, 1; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 9; Bob-white, 5; Ring-necked Pheasant, 31; Herring Gull, 69; Ring-billed Gull, 65; Yellow-shafted Flicker, 3; Downy Woodpecker, 9; Horned Lark, 3; Blue Jay, 41; Am. Crow, 67; Black-capped Chickadee, 21; Tufted Titmouse, 1; White-breasted Nuthatch, 18; Brown Creeper, 4; Am. Robin, 2; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 499; House Sparrow, 770; Eastern Meadowlark, 10; Cardinal, 25; Am. Goldfinch, 11; Slate-colored Junco, 26; Am. Tree Sparrow, 256; Song Sparrow, 4. **Total,** 37 species; about 2367 individuals. (Seen count period: Barn Owl.)—Mrs. Elmer Jasper, Bette Johnston, Mr. and Mrs. Cass Kierblewski, Douglas Middleton, Sharon Nerzwicki, Sylvia Nerzwicki, Mrs. L. G. Senghas (compiler), Amanda Theis, Henry Trombley (Macomb Nature Association).

318. Mount Pleasant, Mich. (same area as in 1956; town suburbs 5%, upland deciduous forest 5%, upland coniferous forest 3%, bottomland deciduous forest 30%, bottomland coniferous forest 6%, plowed field 20%, pasture 20%, lakes and millponds 10%, cattail marsh 1%).—Dec. 21; 8 a.m. to 4 p.m. Overcast; temp. 10° to 20°; wind NW, 15 m.p.h.; no snow on ground, lakes half frozen, rivers open. Twenty observers in 4 parties. Total party-hours, 32 (16 on foot, 16 by car); total party-miles, 116 (20 on foot, 96 by car). Mallard, 207; Black Duck, 45; Am. Golden-eye, 40; Red-tailed Hawk, 2; Ruffed Grouse, 15; Ring-necked Pheasant, 24; Mourning Dove, 12; Horned Owl, 2; Long-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; **Red-headed Woodpecker, 1** (well seen at close range); Hairy Woodpecker, 4; Downy Woodpecker, 23; Horned Lark, 5; Blue Jay, 43; Am. Crow, 7; Black-capped Chickadee, 118; Tufted Titmouse, 8; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 1; **Mockingbird, 1** (Dec. 13 to Jan. 13); Golden-crowned Kinglet, 21; Cedar Waxwing, 1; Gray Shrike, 5; Common Starling, 382; House Sparrow, 316; Cardinal, 40; Evening Grosbeak, 55; Pine Grosbeak, 1; Common

Redpoll, 74; Am. Goldfinch, 203; White-winged Crossbill, 1; Slate-colored Junco, 36; Am. Tree Sparrow, 33; Snow Bunting, 20. **Total,** 38 species; about 1796 individuals. (**Yellow-bellied Sapsucker** seen count period.) [Exceptionally neat, carefully prepared report with details for all unusual observations—Ed.]—Mabel Cuthbert, Nicholas Cuthbert (compiler), Martin Dwyer, Alma Eyer, Lester Eyer, Blanche Gover, Harry Gover, Robert Grefe, Irene Jorae, Henrietta Kaminske, Hudson Keenan, Arnold Koch, Harold Mahan, Florence Maxwell, David Sauve, Beverly Southern, William Southern, Leonard Spiegel, George Wallace, Bruce Winchell.

319. **Muskegon, Mich.** (12-mile strip from Dunes State Park through residential section of North Muskegon and business section of Muskegon to Pere Marquette Park and along west end of Muskegon lake; lakeshore 50%, business and residential 30%, dunes and marsh 20%).—Dec. 28; 9 a.m. to 5:30 p.m. Cloudy a.m., sun p.m.; temp. 29° to 33°; wind NW, 24 m.p.h.; ground with light snow, open water on lakes and channel. Five observers in 1 party. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 80 (20 on foot, 60 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Mute Swan, 1; Mallard, 83; Black Duck, 261; Gadwall, 32; Am. Widgeon, 7; Canvas-back, 200+; scaup (sp.), 1604+; Am. Golden-eye, 719; Buffle-head, 3; Old-squaw, 12; Am. Merganser, 61; Red-breasted Merganser, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 8; Herring Gull, 564; Ring-billed Gull, 175; Belted Kingfisher, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 11; Am. Crow, 1; Black-capped Chickadee, 27; Tufted Titmouse, 12; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 7; Common Starling, 28; House Sparrow, 59; Brown-headed Cowbird, 1; Cardinal, 4; Slate-colored Junco, 9; Am. Tree Sparrow, 21. **Total,** 36 species; about 3935 individuals.—Mildred and August Twiest, George M. Wickstrom, Margaret Elliott (compiler), Paul Elliott.

320. **Northville, Mich.** (same area as last year).—Dec. 28; 7 a.m. to 8 p.m.; temp. 30° to 35°. Seven observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 47 (7 on foot, 40 by car). Canada Goose, 400; Mallard, 100; Black Duck, 125; Am. Golden-eye, 2; Hooded Merganser, 1; Am. Merganser, 3; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 20; Ring-necked Pheasant, 1; Herring Gull, 2; Mourning Dove, 1; **Red-bellied Woodpecker, 1**; Hairy Woodpecker, 5; Downy Woodpecker, 8; Blue Jay, 7; Am. Crow, **1000+**; Black-capped Chickadee, 20; Tufted Titmouse, 14; White-breasted Nuthatch, 12; **Red-breasted Nuthatch, 1**; Brown Creeper, 1; Am. Robin, 1; Gray Shrike, 1; Common Starling, 3; House Sparrow, 45; Cardinal, 12; Am. Goldfinch, 2; Slate-colored Junco, 8; Am. Tree Sparrow, 20; Song Sparrow, 2. **Total,** 33 species; about 1824 individuals.—C. Gross, C. Hartley, H. D. Hartley, H. S. Hartley (compiler), W. Hopkins, E. Root, R. Root.

321. **Otsego, Mich.** (same area as in 1956; open farmland 20%, roadside 30%, deciduous woodlots 20%, bottomland and river 30%).—Dec. 30; 8:15 a.m. to 6:15 p.m. Clear to mostly cloudy; temp. 28° to 39°; wind, slight to calm; ground covered with snow, rivers, reservoirs and lakes open. Two observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 56 (6 on foot, 50 by car). Canada Goose, 90; Mallard, 7; Black Duck, 66; Gadwall, 21; Pintail, 4; Redhead, 1; Ring-necked Duck, 3; Canvas-back, 1; Lesser Scaup, 2; Am. Golden-eye, 409; Buffle-head, 5; **White-winged Scoter, 3**; Am. Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 21; Ring-necked Pheasant, 7; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 2; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 1; Blue Jay, 20; Am. Crow, 7; Black-capped Chickadee, 13; Tufted Titmouse, 9; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 2; Common Starling, 83; House Sparrow, 203; Cardinal, 29; Evening Grosbeak, 4; Purple Finch, 1; **Pine Grosbeak, 13**; **Common Redpoll, 120**; Am. Goldfinch, 9; Slate-colored Junco, 37; Am. Tree Sparrow, 124; Song Sparrow, 5. **Total,** 49 species; about 1365 individuals. (Seen in area count period: **White-winged Crossbill.**) [Very neat report with substantiating details for all unusual observations—Ed.]—Max Adler, Ted Van Velzen (compiler).

322. **Owosso, Mich.** (same area as in 1951).—Dec. 24; 7:15 a.m. to 5:15 p.m. Clear; temp. 25° to 40°; wind WNW, 5-10 m.p.h.; ground bare, all water open. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 52 (8 on foot, 44 by car). Red-tailed Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Mourning Dove, 113; Screech Owl, 2; Long-eared Owl, 3; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 7; Horned Lark, 4; Blue Jay, 15; Am. Crow, 8; Black-capped Chickadee, 23; Tufted Titmouse, 14; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 3; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 11; Cedar Waxwing, 32; Gray Shrike, 1; Common Starling, 5; House Sparrow, 103; Cardinal, 9; Purple Finch, 6; Pine Grosbeak, 4; Common Redpoll, 2; Am. Goldfinch, 6; Slate-colored Junco, 10; Am. Tree Sparrow, 10; Song Sparrow, 1. **Total,** 34 species; about 431 individuals. (Seen count period: Snowy Owl.)—Bruce V. Wilson.

323. **Bloomington, Ind.** (same area as in 1950 and subsequent years; upland deciduous forest 24%, coniferous forest 10%, bottomland deciduous forest 7%, bottomland grassy and crop field 15%, upland grassy field 13%, bottomland brushy field 15%, fresh-

water lakeshore 14%, urban wooded campus 2%).—Dec. 30; 4:15 a.m. to 5:15 p.m. Clear; temp. 29° to 50°; wind S to SE, 1-6 m.p.h.; water open, low ground with much standing water. Eight observers in 2 parties separating into groups of 1 to 3 for short periods. Total party-hours, 35 (20 on foot, 15 by car); total party-miles, 205 (23 on foot, 182 by car). Pied-billed Grebe, 1; **Mute Swan, 2** (present for months); Mallard, 67; Black Duck, 16; Lesser Scaup, 3; Ruddy Duck, 3; Am. Merganser, 12; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 4; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 2; Bob-white, 36; Killdeer, 15; Mourning Dove, 105; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 34; Pileated Woodpecker, 20; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 24; Horned Lark, 6; Blue Jay, 89; Am. Crow, 119; Carolina Chickadee, 104; Tufted Titmouse, 75; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 16; Carolina Wren, 36; Mockingbird, 6; Am. Robin, 2215; Hermit Thrush, 1; Eastern Bluebird, 34; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 2; Common Starling, 21,120; House Sparrow, 290; Eastern Meadowlark, 72; Red-winged Blackbird, 6; Rusty Blackbird, 17; Purple Grackle, 200; Brown-headed Cowbird, 12; Cardinal, 204; Purple Finch, 5; Am. Goldfinch, 95; Eastern Towhee, 40; Slate-colored Junco, 295; Am. Tree Sparrow, 168; Field Sparrow, 23; White-throated Sparrow, 2; Swamp Sparrow, 13; Song Sparrow, 132. **Total,** 58 species; about 25,823 individuals. (Seen in area census period: Great Blue Heron, Turkey Vulture, Ring-billed Gull, Brown Creeper, Oregon Junco).—Duane Carmony, Rusty Cleland, Mr. and Mrs. Sears Crowell, David G. Frey, Shelby Gerking, Val Nolan, Jr. (compiler), Donald W. Woodard.

324. Indianapolis, Ind. (7½-mile radius with center at Broad Ripple, including Riverside Park, Lake Sullivan, Holliday Park, Bacon's Swamp, Geist Reservoir, parts of White River and Fall Creek; urban 3%, suburbs 15%, city parks 7%, open farmland 10%, upland deciduous forest 20%, lake front 14%, river and creek 31%).—Dec. 21; 6:15 a.m. to 5:30 p.m. Fair; temp. 34° to 54°; wind SW, 17 m.p.h.; all water areas open. Thirteen observers in 6 parties. Total party-hours, 39 (28 on foot, 11 by car); total party-miles, 211 (39 on foot, 172 by car). Horned Grebe, 2; Great Blue Heron, 1; Black-crowned Night Heron, 4; Mallard, 106; Black Duck, 36; Gadwall, 1; Am. Widgeon, 1; Redhead, 1; Lesser Scaup, 7; Am. Golden-eye, 9; Am. Merganser, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, **26**; Bob-white, 10; Am. Coot, 3; Killdeer, 4; Ring-billed Gull, 1; Mourning Dove, 106; Barn Owl, 1; Barred Owl, 2; Long-eared Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 6; Red-headed Woodpecker, **26**; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 71; Horned Lark, 10; Blue Jay, 62; Am. Crow, 134; Carolina Chickadee, 54; Tufted Titmouse, 38; White-breasted Nuthatch, 33; Red-breasted Nuthatch, **15**; Brown Creeper, 22; Winter Wren, 2; Carolina Wren, 22; Mockingbird, 8; Brown Thrasher, 1; Am. Robin, 63; Eastern Bluebird, 12; Golden-crowned Kinglet, 17; Cedar Waxwing, 39; Common Starling, 461; House Sparrow, 302; Eastern Meadowlark, 23; Red-winged Blackbird, 11; Purple Grackle, 7; Cardinal, 192; Pine Siskin, 12; Am. Goldfinch, 136; Eastern Towhee, 10; Slate-colored Junco, 586; Am. Tree Sparrow, 77; Field Sparrow, 5; White-crowned Sparrow, 2; **White-throated Sparrow, 2** (M.R.); **Fox Sparrow, 1** (C.B.); Song Sparrow, 60. **Total,** 64 species; about 2916 individuals. (Seen count period: Screech Owl, Pileated Woodpecker, Catbird.)—Charles Berriman, Mildred Campbell, Bruce Fall, Max A. Forsyth, Mr. and Mrs. Joel W. Hadley, Charles F. Marks, Betty Jean Moore, Lewis Nading, Mrs. Mary Riddle, John M. Satter, Henry C. West (compiler), Howard F. Wright (Amos W. Butler Audubon Society).

325. Jasper-Pulaski State Game Preserve, Ind. (same area as 1955).—Dec. 21; 7:15 a.m. to 4:45 p.m. Clear; temp. 38° to 52°; wind SW to W, 10-20 m.p.h.; ground bare, water open. Three observers in 1 party. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles, 40 (7 on foot, 33 by car). Canada Goose, 252; Mallard, 228; Black Duck, 50; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Ring-necked Pheasant, 3; Mourning Dove, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 7; Blue Jay, 21; Am. Crow, 19; Black-capped Chickadee, 15; Tufted Titmouse, 8; White-breasted Nuthatch, 6; Brown Creeper, 1; Golden-crowned Kinglet, 11; Common Starling, 12; House Sparrow, 50; Red-winged Blackbird, 3; Rusty Blackbird, 6; Cardinal, 34; Am. Goldfinch, 12; Slate-colored Junco, 240; Am. Tree Sparrow, 141; Song Sparrow, 16. **Total,** 32 species; about 1154 individuals. [All 4 reports compiled by Raymond Grow exceptionally neat and carefully prepared—Ed.]—Nora Grow, Raymond Grow (compiler), Jean Segal.

326. Lafayette, Ind. (same area as in previous 11 years; riverbottom 2%, creekbottom 28%, deciduous woods 19%, evergreen woods 5%, low woods and brush 19%, fields 18%, marsh 9%).—Dec. 22; 3:15 a.m. to 4:30 p.m. Clear to thin, high clouds; temp. 37° to 56°; wind SSW, 4-20 m.p.h.; ground bare, river 9 feet above flood stage, creeks high, ponds open. Twenty observers in 10 parties. Total party-hours, 56 (52 on foot, 4 by car); total party-miles, 101 (51 on foot, 50 by car). Mallard, 585; Black Duck, 23; **Am. Widgeon, 1**; **Pintail, 4**; Green-winged Teal, 2; Lesser Scaup, 3; Am. Golden-eye, 13; Am. Merganser, 2; **Sharp-shinned Hawk, 1**; Red-tailed Hawk, 16; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 12; **Peregrine Falcon, 1**; Sparrow Hawk, 19; Bob-white, **65**; Ring-necked Pheasant, 4; Wilson's Snipe, 13; Mourning

Dove, 270; Horned Owl, 2; Long-eared Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 85; Horned Lark, 21; Blue Jay, 87; Am. Crow, 185; Carolina Chickadee, 71; Tufted Titmouse, 109; White-breasted Nuthatch, 47; **Red-breasted Nuthatch, 3**; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 27; Mockingbird, **5**; Am. Robin, **42**; **Hermit Thrush,** 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Common Starling, 3300; House Sparrow, 844; Eastern Meadowlark, 13; Red-winged Blackbird, 2; Purple Grackle, 1; Brown-headed Cowbird, 5; Cardinal, 119; **Pine Siskin, 2**; Am. Goldfinch, 111; Slate-colored Junco, 400; Am. Tree Sparrow, 262; Field Sparrow, 4; White-crowned Sparrow, 2; White-throated Sparrow, 1; Swamp Sparrow, 11; Song Sparrow, 100. **Total,** 59 species; about 6994 individuals. (Seen count period: Ruby-crowned Kinglet.) [Exceptionally neat, carefully prepared report—Ed.]—Irving Burr (compiler), Peter Burr, Thomas Chell, Armyn and Karleton Crain, Dan Coble, Mr. and Mrs. S. S. Cromer, Marvin DeJonge, Homer Erickson, Al and Mary Guy, Charles Kirkpatrick, Brad Lane, Charles Mack, Peter Pfendler, Hubert and Doris Smith, Anne Webster, Merritt Webster.

327. **Mary Gray Bird Sanctuary, Ind.** (same area as last year; deciduous woodland 50%, fields planted in pines 10%, weed fields 40%).—Dec. 22; 8:30 a.m. to 4:30 p.m. Clear; temp. 36° to 57°; wind 4-9 m.p.h. Six observers in 2 parties. Total party-hours, 8 (all on foot); total party-miles, 8 (all on foot). Sharp-shinned Hawk, 1; Red-shouldered Hawk, 2; Bob-white, 30; Mourning Dove, 4; Horned Owl, 1; Saw-whet Owl, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue Jay, 8; Am. Crow, 21; Carolina Chickadee, 29; Tufted Titmouse, 28; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 8; Mockingbird, 2; Am. Robin, 67; Eastern Bluebird, 47; Golden-crowned Kinglet, 2; Common Starling, 1; House Sparrow, 19; Red-winged Blackbird, 1; Cardinal, 17; Am. Goldfinch, 39; Eastern Towhee, 5; Slate-colored Junco, 31; Am. Tree Sparrow, 108; White-throated Sparrow, 1; Song Sparrow, 14. **Total,** 34 species; about 536 individuals. (Seen count week: Belted Kingfisher, Winter Wren, White-crowned Sparrow.) —Edna Banta, Claudia Carr, Linda Carr, Max Forsyth (compiler), John Hamm, Dale Lentz.

328. **Michigan City, Ind.** (same area as 1955).—Dec. 22; 6:15 a.m. to 4:45 p.m. Clear; temp. 40° to 55°; wind W, 5-10 m.p.h.; ground bare, water open. Seven observers in 4 parties. Total party-hours, 10½ (6 on foot, 4½ by car); total party-miles, 51 (10 on foot, 41 by car). Horned Grebe, 6; Mallard, 127; Black Duck, 50; Lesser Scaup, 18; Am. Golden-eye, 28; Buffle-head, 62; Old-squaw, 750; Ruddy Duck, 3; Hooded Merganser, 3; Am. Merganser, 250; Red-breasted Merganser, 28; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, **11**; Bob-white, 17; Ring-necked Pheasant, 1; Killdeer, 1; Herring Gull, 170; Ring-billed Gull, 355; Bonaparte's Gull, 25; Mourning Dove, 11; Horned Owl, 1; Long-eared Owl, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 16; Horned Lark, 36; Blue Jay, 114; Am. Crow, 192; Black-capped Chickadee, 43; Tufted Titmouse, 35; White-breasted Nuthatch, 26; Red-breasted Nuthatch, **9**; Carolina Wren, 2; Mockingbird, 2; Am. Robin, 4; Cedar Waxwing, 10; Common Starling, 700; House Sparrow, 600; Red-winged Blackbird, 106; Rusty Blackbird, 1; Purple Grackle, 1; Cardinal, 34; Evening Grosbeak, 22; Purple Finch, 19; Pine Grosbeak, 8; Common Redpoll, 22; Am. Goldfinch, 68; Eastern Towhee, 1; Slate-colored Junco, 212; Am. Tree Sparrow, 470; Field Sparrow, 2; Song Sparrow, 9; Lapland Longspur, 1; Snow Bunting, 18. **Total,** 59 species; about 4724 individuals.—Nora Grow, Raymond Grow (compiler), James Landing, Ted Nork, Virginia Reuter-skiold, Jean Segal, Simon Segal.

329. **Northern Lake Co., Ind.** (same area as 1955).—Dec. 29; 7:30 a.m. to 4:30 p.m. Clear to cloudy; temp. 30° to 36°; wind W, 8-15 m.p.h.; ground with ½-in. snow, water frozen except Lake Michigan. Three observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 50 (5 on foot, 45 by car). Horned Grebe, 5; Black Duck, 3; Redhead, 6; Lesser Scaup, 75; Am. Golden-eye, 2; Ruddy Duck, 2; Am. Merganser, 210; Red-breasted Merganser, 3; Sparrow Hawk, 2; Am. Coot, 1; Herring Gull, 100; Ring-billed Gull, 250; Bonaparte's Gull, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 8; Am. Crow, 9; Black-capped Chickadee, 3; Tufted Titmouse, 3; White-breasted Nuthatch, 3; Am. Robin, 1; Common Starling, 300; House Sparrow, 300; Red-winged Blackbird, 78; Cardinal, 2; Purple Finch, 3; Pine Siskin, 2; Am. Goldfinch, 1; Slate-colored Junco, 6; Am. Tree Sparrow, 200; White-crowned Sparrow, 3; Song Sparrow, 8. **Total,** 33 species; about 1597 individuals.—Nora Grow, Raymond Grow (compiler), John Louis.

330. **Richmond, Ind.** (same area as last year).—Dec. 26; 6:30 a.m. to 4:30 p.m. Mostly cloudy; temp. 34° to 40°; wind NW, 25 m.p.h.; ground bare, water open. Sixteen observers in 4 parties. Total party-hours, 27 (18 on foot, 9 by car); total party-miles, 70 (29 on foot, 41 by car). Black Duck, 1; Red-tailed Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 2; Mourning Dove, 92; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 3; Red-bellied Woodpecker, 18; Hairy Woodpecker, 11; Downy Woodpecker, 54; Horned Lark, 64; Blue Jay, 18; Am. Crow, 57; Carolina Chickadee, 124; Tufted Titmouse, 60; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 3; Brown Creeper, 14; Winter Wren, 2; Carolina Wren, 22; Mockingbird, 2; Am. Robin, 2; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Cedar Waxwing, 2; Common Starling, 270; House

Sparrow, 598; Eastern Meadowlark, 15; Red-winged Blackbird, 3; Cardinal, 118; Am. Goldfinch, 41; Savannah Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco, 128; Am. Tree Sparrow, 180; White-crowned Sparrow, 7; Swamp Sparrow, 3; Song Sparrow, 49; Snow Bunting, 1. **Total,** 40 species; about 2030 individuals.—Von Alexander, Eddie Cope, James B. Cope (compiler), Don Coppock, Bill Dennis, John Hamm, John Hampton, L. Barrie Hunt, Shirley Hunt, Bill Kem, Mr. and Mrs. Louis Ripberger, Wayne Stidham, Susan Stidham, Gertrude L. Ward, Jack N. Wykoff.

331. South Bend, Ind. (same area as previous counts; deciduous woods 30%, marshland 5%, open farmland 30%, open river 20%, cedar and spruce groves 5%, park 10%).—Dec. 22; 7 a.m. to 4:30 p.m. Clear; temp. 35° to 57°; wind W, 8-12 m.p.h.; river, creeks and lakes open. Thirty-one observers in 5 parties. Total party-hours, 41 (35 on foot, 6 by car); total party-miles, 238 (32 on foot, 206 by car). **Great Blue Heron, 1**; Mallard, 227; Black Duck, 3; Canvas-back, 1; Am. Golden-eye, 44; Am. Merganser, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 6; Bob-white, 42; Ring-necked Pheasant, 5; Am. Coot, 2; Herring Gull, 11; Mourning Dove, 87; Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 61; Horned Lark, 21; Blue Jay, 145; Am. Crow, 2681; Black-capped Chickadee, 156; Tufted Titmouse, 111; White-breasted Nuthatch, 86; Red-breasted Nuthatch, 6; Brown Creeper, 12; **Mockingbird, 1**; Am. Robin, 14; Golden-crowned Kinglet, 3; Cedar Waxwing, 72; Common Starling, 3179; House Sparrow, 1020; Eastern Meadowlark, 4; **Purple Grackle, 1**; Cardinal, 158; Purple Finch, 15; **Pine Grosbeak, 7**; **Common Redpoll, 32**; Am. Goldfinch, 136; **Eastern Towhee, 4**; Slate-colored Junco, 314; Am. Tree Sparrow, 213; Field Sparrow, 8; White-throated Sparrow, 1; Song Sparrow, 28. **Total,** 53 species; about 8972 individuals.—Violet Ackerman, Dorothy Buck, John Buck, John Chase, Helen Dawson, Arthur DeMaegd, Susan DeMaegd, Mirva Dufendach, Russell Dufendach, Robert Fleming, Mary Ann Gibson, R. E. Gibson, John Groet, Dale Harbaugh, Carlyle Hunter, Martha Hunter, Janet Kochanowski, Mary Madison, Dorothy Meek, John Pine, Nancy Rea (compiler), Robert Rea, Scott Rea, Clyde Resseguie, Dorothy Resseguie, Ernest Ulbricht, Francis Van Huffel, Katie Van Huffel, August Verhoestra, Elinor Vesey, George Vesey (South Bend Audubon Society).

332. Southeastern LaPorte County, Ind. (same area as previous counts).—Jan. 1; 8:30 a.m. to 5 p.m. Snow a.m., clearing p.m.; temp. 10° to 28°; wind SW to W to NW, 18 m.p.h.; 6-in. fresh snow, river open, still water frozen. Seven observers in 2 parties. Total party-hours, 16 (7 on foot, 9 by car); total party-miles, 88 (9 on foot, 79 by car). Mallard, 100; Black Duck, 13; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, **10**; Marsh Hawk, 10; Sparrow Hawk, 2; Bob-white, 1; Ring-necked Pheasant, 9; Mourning Dove, 150; Short-eared Owl, 7; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 21; Horned Lark, 389 (22 Northern); Blue Jay, 12; Am. Crow, 85; Black-capped Chickadee, 4; Tufted Titmouse, 36; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Am. Robin, 15; Cedar Waxwing, 3; Common Starling, 56; House Sparrow, 235; Cardinal, 29; **Common Redpoll, 180**; Am. Goldfinch, 18; Slate-colored Junco, 145; Oregon Junco, 1; Am. Tree Sparrow, 306; Song Sparrow, 26; Lapland Longspur, 12; **Snow Bunting, 13. Total,** 34 species (1 additional subspecies); about 1899 individuals.—Dorothy Buck (compiler), John P. Buck, Carlyle Hunter, Martha Hunter, Nancy Rea, Robert V. Rea, Scott Rea.

333. Southern Lake County, Ind. (same area as 1956).—Dec. 31; 6 a.m. to 5 p.m. Alternate snow and rain all day; temp. 28° to 35°; wind SW, 20 m.p.h. Two observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 62 (6 on foot, 56 by car). Marsh Hawk, 5; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Blue Jay, 12; Am. Crow, 67; Tufted Titmouse, 15; White-breasted Nuthatch, 2; Common Starling, 107; House Sparrow, 65; Red-winged Blackbird, 11; Cardinal, 21; Am. Goldfinch, 25; Slate-colored Junco, 50; Am. Tree Sparrow, 55; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 18 species; about 444 individuals.—Tom Litts, John Louis (compiler).

334. Willow Slough State Game Preserve, Ind. (same area as 1955).—Dec. 28; 7:15 a.m. to 4:45 p.m. Cloudy with occasional sun; temp. 29° to 36°; wind W, 15-22 m.p.h.; ground bare with trace of snow, water open. Four observers in 1 party. Total party-hours, 9½ (5 on foot, 4½ by car); total party-miles, 45 (6 on foot, 39 by car). Canada Goose, 1500; Snow Goose, 4; Blue Goose, 17; Mallard, 500; Black Duck, 110; Pintail, 3; Red-tailed Hawk, 7; Marsh Hawk, 6; Sparrow Hawk, 1; Greater Prairie Chicken, 13; Bob-white, 2; Mourning Dove, 7; Yellow-shafted Flicker, 2; Downy Woodpecker, 3; Horned Lark, 50; Blue Jay, 16; Am. Crow, 172; Black-capped Chickadee, 2; Tufted Titmouse, 2; Am. Robin, 7; Golden-crowned Kinglet, 4; Common Starling, 55; House Sparrow, 50; Eastern Meadowlark, 4; Red-winged Blackbird, 68; Cardinal, 13; Am. Goldfinch, 2; Slate-colored Junco, 86; Am. Tree Sparrow, 60; Swamp Sparrow, 1; Song Sparrow, 2; Lapland Longspur, 2. **Total,** 32 species; about 2771 individuals.—Paul Davis, Raymond Grow (compiler), Jean Segal, Simon Segal.

335. Bird Haven Sanctuary, Ill. (7½-mile radius in Richland County centering on Bird Haven; deciduous forest 15%, open farmlands 85%).—Dec. 28; 7 a.m. to 5 p.m. [Weather?—Ed.]; temp. 28° to 36°; wind NW, 15 m.p.h. Thirteen observers in 5 parties. Total party-hours, 35 (8 on foot, 27 by car); total party-miles, 471 (10 on foot, 461 by car). Mallard, 50; Lesser Scaup, 1; Am. Merganser, 1; Cooper's

Hawk, 1; Red-tailed Hawk, 39; Red-shouldered Hawk, 4; Rough-legged Hawk, 3; Marsh Hawk, 13; Sparrow Hawk, 40; Bob-white, 5; Mourning Dove, 187; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 39; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 28; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 45; Horned Lark, 115; Blue Jay, 266; Am. Crow, 127; Carolina Chickadee, 68; Tufted Titmouse, 36; White-breasted Nuthatch, 3; Brown Creeper, 2; Carolina Wren, 24; Mockingbird, 96; Am. Robin, 5; Eastern Bluebird, 98; Golden-crowned Kinglet, 5; Cedar Waxwing, 1; Loggerhead Shrike, 9; Common Starling, 815; House Sparrow, 1080; Eastern Meadowlark, 499; Red-winged Blackbird, 115; Purple Grackle, 4; Brown-headed Cowbird, 5; Cardinal, 365; Purple Finch, 14; Am. Goldfinch, 107; Eastern Towhee, 10; Slate-colored Junco, 678; Am. Tree Sparrow, 265; Field Sparrow, 28; White-crowned Sparrow, 70; White-throated Sparrow, 5; Song Sparrow, 36. **Total,** 49 species; about 5435 individuals.—Mr. and Mrs. Arnold Anderson, June Badger, Mr. and Mrs. W. Bridges, Mrs. R. C. Holloway, Mrs. Minnie Hundley, Roy Lathrop, Mildred and Mrs. W. Redman, Mr. and Mrs. Chester Scherer, Mrs. Howard Shaw (compiler).

336. **Bushnell, Ill.** (same area as last year).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 26° to 44°; wind NW, 10-15 m.p.h.; ground clear, running water and large bodies open, other water frozen. Three observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 85 (5 on foot, 80 by car). Red-tailed Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 5; Bob-white, 36; Mourning Dove, 15; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 73; Blue Jay, 28; Am. Crow, 110; Black-capped Chickadee, 18; Tufted Titmouse, 21; White-breasted Nuthatch, 2; Carolina Wren, 4; Mockingbird, 3; Golden-crowned Kinglet, 1; Common Starling, 888; House Sparrow, 617; Eastern Meadowlark, 3; Cardinal, 29; Purple Finch, 4; Am. Goldfinch, 77; Slate-colored Junco, 56; Am. Tree Sparrow, 33; White-crowned Sparrow, 30; Swamp Sparrow, 1; Song Sparrow, 20. **Total,** 31 species; about 2120 individuals. (Seen count week: Loggerhead Shrike.)—Larry L. Hood (compiler), Doris R. Scholes, John H. Scholes.

337. **Channahon, Ill.** (riverside–roadside census, south along towpath of I. & M. Canal to Morris, then on southwest side of Illinois River following Kankakee River and Des Plaines River to Channahon; river edge 60%, deciduous farm woodlots 15%, plowed fields and pasture 20%, cattail marsh 5%).—Dec. 28; 8:30 a.m. to 4:45 p.m. Clear; temp. 29° to 34°; wind SW, 5-8 m.p.h.; ¼-in. snow on ground a.m., mostly gone by noon, water free of ice. Fifteen observers in 6 parties. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 65 (4 on foot, 61 by car). Mallard, 460; Black Duck, 875; Am. Widgeon, 4; Pintail, 3; Lesser Scaup, 4; Am. Golden-eye, 37; Am. Merganser, 12; Red-breasted Merganser, 7; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 8; Ring-necked Pheasant, 28; Herring Gull, 20; Ring-billed Gull, 3; Mourning Dove, 40; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 4; Am. Crow, 53; Black-capped Chickadee, 8; Tufted Titmouse, 1; White-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 2; Common Starling, 22; House Sparrow, 400; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 6; Am. Goldfinch, 7; Slate-colored Junco, 39; Am. Tree Sparrow, 114; Swamp Sparrow, 2; Song Sparrow, 4. **Total,** 41 species; about 2201 individuals. —Amy G. Baldwin, Bertha Bannert, Karl E. Bartel (compiler), Kay Binder, John Dull, Dick Hoger, Thelma Jones, Margaret C. Lehmann, Catherine Schaffer, Paul Schulze, Mr. and Mrs. Orville Smith, Floyd Swink, Carl Wilm, J. O. Young.

338. **Chicago, Ill.** (15-mile diameter circle centering at Touhy and Lincoln Avenues, Lincolnwood, including lakefront, Forest Preserve District, Graceland, Rosehill and Memorial Park Cemeteries; city streets 13%, lakefront and harbors 16%, golf courses 3%, deciduous woods 38%, rivers and canals 1%, open fields 8%, cemeteries 6%, clay and gravel pits 6%, city parks 8%, feeders 1%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear; temp. 26° to 33°; wind NW, 24 m.p.h.; lake, harbors, rivers and canals open, 1-in. snow in Forest Preserves. Twenty observers in 5 parties. Total party-hours, 42 (35 on foot, 7 by car); total party-miles, 131 (25 on foot, 106 by car). Canada Goose, 25; Mallard, 138; Black Duck, 21; Ring-necked Duck, 2; Greater Scaup, 1; Lesser Scaup, 1258; Am. Golden-eye, 925; Buffle-head, 5; Old-squaw, 425; White-winged Scoter, 79; Am. Merganser, 370; Red-breasted Merganser, 357; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 18; Herring Gull, 2274; Ring-billed Gull, 99; Bonaparte's Gull, 150; Mourning Dove, 23; Long-eared Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 19; Blue Jay, 6; Am. Crow, 192; Black-capped Chickadee, 127; Tufted Titmouse, 6; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Brown Creeper, 1; Common Starling, 6187; House Sparrow, 144; Red-winged Blackbird, 8; Cardinal, 48; **Evening Grosbeak, 16** (T.K.B.); Am. Goldfinch, 27; Slate-colored Junco, 70; Am. Tree Sparrow, 11; Song Sparrow, 4. **Total,** 41 species; about 13,067 individuals. (Seen in area count period: Black-crowned Night Heron, Cedar Waxwing, Purple Finch.)—Mr. and Mrs. Kenneth Anglemire, Ormsby Annan, Laurie Binford, Mrs. T. K. Boyd, Van A. Bradley, Mrs. Catherine Campbell, Mrs. Doris Clements, Hugh Gillilan, John Janusz, Joe Healy, Mr. and Mrs. Russell Mannette, Helen McMillan, Mrs. Laurence Nobles, David Schaeffer, Philip Steffen, Brother I. Vincent (compiler), James R. Ware, Francis Whitehead (Evanston Bird Club).

339. **Crab Orchard Wildlife Refuge, Ill.** (15-mile diameter circle, center at Wolf Creek Bridge).—

Dec. 30; 6 a.m. to 3:30 p.m.; temp. 28° to 54°; wind SE, 0-5 m.p.h. Nine observers in 4 parties. Total party-hours, 36 (8 on foot, 28 by car); total party-miles, 139 (31 on foot, 108 by car). Common Loon, 4; Pied-billed Grebe, 7; Great Blue Heron, 17; Canada Goose, 17,785; Mallard, 521; Black Duck, 79; Pintail, 9; Ring-necked Duck, 52; Canvas-back, 402; Lesser Scaup, 23; Am. Golden-eye, 9; Buffle-head, 2; Hooded Merganser, 13; Am. Merganser, 135; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 20; Red-shouldered Hawk, 4; Bald Eagle, 4; Marsh Hawk, 2; Sparrow Hawk, 15; Bob-white, 58; Ring-necked Pheasant, 1; Herring Gull, 170; Ring-billed Gull, 172; Mourning Dove, 32; Horned Owl, 3; Barred Owl, 6; Belted Kingfisher, 3; Yellow-shafted Flicker, 61; Pileated Woodpecker, 4; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 29; Horned Lark, 2; Blue Jay, 200; Am. Crow, 179; Black-capped Chickadee, 183; Tufted Titmouse, 50; White-breasted Nuthatch, 3; Brown Creeper, 7; Carolina Wren, 28; Mockingbird, 65; Am. Robin, 273; Eastern Bluebird, 71; Golden-crowned Kinglet, 34; Loggerhead Shrike, 8; Common Starling, 300,666; Myrtle Warbler, 15; House Sparrow, 120; Eastern Meadowlark, 145; Red-winged Blackbird, 845; Purple Grackle, 10,000; Cardinal, 244; Purple Finch, 2; Am. Goldfinch, 111; Eastern Towhee, 3; Slate-colored Junco, 1362; Am. Tree Sparrow, 43; Field Sparrow, 8; White-crowned Sparrow, 42; White-throated Sparrow, 2; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 23. **Total,** 67 species; about 334,431 individuals.—Lee Bush (compiler), Eugene Crawford, William French, Ben Gelman, Al Manke, William Meneese, James R. Rice, Larry Sheffield, Harry Stiles.

340. Decatur, Ill. (same area as 1952; weeds and thickets 15%, river and stream bottomlands 35%, upland woodlands 13%, water 13%, pastures and open country 12%, evergreen 5%, shore 4%, marsh 3%).—Dec. 28; 3 a.m. to 6 p.m. Scattered clouds; temp. 30° to 38°; wind NNW, 5-10 m.p.h.; lakes and streams open. Nine observers in 7 parties. Total party-hours, 67 (35 on foot, 32 by car); total party-miles, 456 (32 on foot, 424 by car). Great Blue Heron, 1; Mallard, 306; Black Duck, 391; Am. Widgeon, 1; Pintail, 3; **Wood Duck, 1** (R.S.); scaup (sp.), 1; Am. Golden-eye, 5; Am. Merganser, 16; Red-tailed Hawk, 4; Rough-legged Hawk, 3; Marsh Hawk, 13; Sparrow Hawk, 31; Bob-white, 37; Ring-necked Pheasant, 3; Am. Coot, 2; Killdeer, 1; Herring Gull, 18; Ring-billed Gull, 750; Mourning Dove, 24; Screech Owl, 10; Horned Owl, 3; Barred Owl, 4; Short-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 28; Pileated Woodpecker, 2; Red-bellied Woodpecker, 104; Red-headed Woodpecker, 11; Hairy Woodpecker, 9; Downy Woodpecker, 88; Horned Lark, 565; Blue Jay, 221; Am. Crow, 5153; Black-capped Chickadee, 156; Tufted Titmouse, 233; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 5; Brown Creeper, 6; Carolina Wren, 42; Mockingbird, 24; Am. Robin, 5; Golden-crowned Kinglet, 14; Cedar Waxwing, 4; Loggerhead Shrike, 1; shrike (sp.), 2; Common Starling, 2852; House Sparrow, 747; Eastern Meadowlark, 2; Red-winged Blackbird, 4; Purple Grackle, 2; Brown-headed Cowbird, 8; Cardinal, 261; Purple Finch, 104; Am. Goldfinch, 137; Eastern Towhee, 2; Slate-colored Junco, 366; Am. Tree Sparrow, 377; **Chipping Sparrow, 1** (carefully identified—T.N., P.N.); Field Sparrow, 3; White-crowned Sparrow, 1; Fox Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 67; Lapland Longspur, 3. **Total,** 64 species; about 13,269 individuals.—G. E. Chaniot, D. B. Gorham, A. Irwin, F. Irwin, R. P. Kirby (compiler), P. Nearing, T. Nearing, R. Simpson, P. Smith.

341. Elsah, Ill. (same area as previous years).—Dec. 24; 6:30 a.m. to 4:30 p.m. Clear to slightly cloudy; temp. 26° to 45°; wind NE, 3-5 m.p.h. Six observers in 3 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 30 (8 on foot, 22 by car). Canvas-back, 2; Lesser Scaup, 200; Am. Golden-eye, 30; Am. Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 7; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 10; Ring-billed Gull, 87; Mourning Dove, 3; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Pileated Woodpecker, 3; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 35; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 11; Downy Woodpecker, 28; Blue Jay, 51; Am. Crow, 1800; Black-capped Chickadee, 40; Tufted Titmouse, 39; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 2; Winter Wren, 2; Carolina Wren, 32; Mockingbird, 3; Am. Robin, 23; Eastern Bluebird, 23; Golden-crowned Kinglet, 8; Cedar Waxwing, 30; Common Starling, 37; House Sparrow, 68; European Tree Sparrow, 3; Eastern Meadowlark, 2; Red-winged Blackbird, 220; Rusty Blackbird, 3; Purple Grackle, 20; Cardinal, 70; Purple Finch, 7; Am. Goldfinch, 55; Slate-colored Junco, 204; Am. Tree Sparrow, 2; Song Sparrow, 6. **Total,** 48 species; about 3243 individuals.—J. R. and R. A. Andrews, G. B., G. M. and H. G. M. Happ, J. F. Wanamaker (compiler).

342. Joliet, Ill. (7-mile radius from 4 miles east of city, including Pitcher Park, Des Plaines and Du Page Rivers; deciduous woods 30%, bottomlands and wooded slopes 30%, cultivated fields 30%, roadsides 10%).—Dec. 30; 6:45 a.m. to 4:15 p.m. Overcast; temp. 32° to 37°; wind NW, 6-10 m.p.h. Eleven observers in 2 parties. Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 500; Black Duck, 150; Lesser Scaup, 2; Am. Golden-eye, 6; Am. Merganser, 27; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 8; Ring-necked Pheasant, 25; Am. Coot, 3; Herring Gull, 11; Ring-billed Gull, 90; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 16; Horned Lark, 12; Blue Jay, 3; Am. Crow, 220; Black-capped Chickadee, 16; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Carolina Wren, 1;

Gray Shrike, 3; Common Starling, 800; House Sparrow, 390; Red-winged Blackbird, 75; Rusty Blackbird, 2; Cardinal, 25; Pine Siskin, 2; Am. Goldfinch, 8; Slate-colored Junco, 62; Am. Tree Sparrow, 255; Swamp Sparrow, 3; Song Sparrow, 12. **Total,** 42 species; about 2773 individuals.—Mrs. E. D. Collins, G. N. Hufford, William Hughes (compiler), Mrs. Sam Klegg, Father Reinhold Link, Hilda McIntosh, William Rutter, C. D. Stallman, Mrs. Bruce Wallin, George R. Wells, George Woodruff.

343. Lisle, Ill. (entire 800 acres of Morton Arboretum, Saganashkee Slough and forest preserve to north, Bemis Woods forest preserve; semi-open area 15%, open fields and farmland 10%, oak woods 35%, pine and spruce stands 30%, riverbottom 10%). —Dec. 29; 7:30 a.m. to 4:30 p.m. Sunny first hour, then overcast; temp. 20° to 28°; wind N, 3 m.p.h.; ground with 1-4-in. crusted snow. Twenty-eight observers in 6 parties. Total party-hours, 34 (25 on foot, 9 by car); total party-miles, 58 (23 on foot, 35 by car). Great Blue Heron, 1; Mallard, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 51; Herring Gull, 33; Ring-billed Gull, 200; Mourning Dove, 6; Long-eared Owl, 11; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 7; Hairy Woodpecker, 11; Downy Woodpecker, 41; Horned Lark, 36; Blue Jay, 25; Am. Crow, 159; Black-capped Chickadee, 88; Tufted Titmouse, 18; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 26; Brown Creeper, 5; Carolina Wren, 5; Am. Robin, 63; Hermit Thrush, 1; Golden-crowned Kinglet, 11; Cedar Waxwing, 43; Common Starling, 57; House Sparrow, 281; Red-winged Blackbird, 107; Cardinal, 103; Purple Finch, 26; Common Redpoll, 1; Pine Siskin, 92; Am. Goldfinch, 33; Red Crossbill, 1; White-winged Crossbill, 25; Eastern Towhee, 1; Slate-colored Junco, 170; Oregon Junco, 2; Am. Tree Sparrow, 85; White-throated Sparrow, 1; Song Sparrow, 18. **Total,** 46 species; about 1883 individuals. (In area count period: Barn Owl, Saw-whet Owl, Pine Grosbeak.)—Kenneth Anglemire, Bertha Bannert, Karl Bartel, L. C. Binford, Catherine Campbell, Charles T. Clark, Mrs. K. B. Frost, Mr. and Mrs. Oliver C. Heywood, O. C. Hynning, Warren N. Keck, Lloyd Kern, Harry Kurshenbaum, Margaret C. Lehmann (compiler), John M. LeVett, Jr., Mr. and Mrs. A. E. Montgomery, Alfred H. Reuss, Jr., G. B. Schenong, Paul Schulze, Marguerite Shawvan, Roy Smith, Charles A. Westcott, Mr. and Mrs. E. J. Westcott, Helen Wilson, Kenneth Wilz, John Yondorf.

344. Pere Marquette State Park, Ill. (15-mile diameter circle centered 5 miles west of Grafton, including both sides of Illinois River and Swan Lake Refuge).—Dec. 29; 7:30 a.m. to 5 p.m. Cloudy; temp. 34° to 43°; wind S, 10-15 m.p.h. Fifteen observers in 3 parties. Total party-hours, 28 (18 on foot, 10 by car); total party-miles, 86 (27 on foot, 59 by car). Great Blue Heron, 16; Canada Goose, 35; Snow Goose, 29; Blue Goose, 150; Mallard, 1675; Black Duck, 7; Am. Golden-eye, 34; Hooded Merganser, 1; Am. Merganser, 80; Red-tailed Hawk, 8; Bald Eagle, 23; Marsh Hawk, 1; Sparrow Hawk, 14; Bob-white, 12; Herring Gull, 13; Ring-billed Gull, 2600; Mourning Dove, 112; Belted Kingfisher, 1; Yellow-shafted Flicker, 50; Pileated Woodpecker, 6; Red-bellied Woodpecker, 47; Red-headed Woodpecker, 50; Hairy Woodpecker, 4; Downy Woodpecker, 47; Horned Lark, 66; Blue Jay, 93; Am. Crow, 1275; Black-capped Chickadee, 50; Tufted Titmouse, 27; White-breasted Nuthatch, 7; Brown Creeper, 1; Carolina Wren, 10; Mockingbird, 5; Brown Thrasher, 2; Am. Robin, 3; Eastern Bluebird, 13; Loggerhead Shrike, 5; Common Starling, 3000; House Sparrow, 235; European Tree Sparrow, 7; Eastern Meadowlark, 19; Red-winged Blackbird, 2750; Rusty Blackbird, 100; Purple Grackle, 2800; Cardinal, 176; Purple Finch, 18; Am. Goldfinch, 78; Slate-colored Junco, 308; Am. Tree Sparrow, 113; Field Sparrow, 5; White-throated Sparrow, 1; Song Sparrow, 16. **Total,** 52 species; about 16,198 individuals.—Jack Buese, N. D. Crouch, Cora W. Hutchinson, O. C. K. Hutchinson (compiler), James Nelson, Lorli Nelson, Irene Weber, Lucas Wrischik.

345. Princeton, Ill. (7½-mile radius including Thomas Woods, Callinan Woods, Red Covered Bridge, Lovers Lane, Tiskilwa area, Illinois River bottomlands).—Dec. 26; 8 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 29° to 34°; wind SW, 25-30 m.p.h. Twenty observers in 6 parties. Total party-hours, 48 (7 on foot, 41 by car); total party-miles, 241 (7 on foot, 234 by car). Canada Goose, 500; Mallard, 500,000; Cooper's Hawk, 1; Red-tailed Hawk, 22; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 4; Bob-white, 20; Herring Gull, 5; Ring-billed Gull, 44; Mourning Dove, 12; Barn Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 39; Horned Lark, 25; Blue Jay, 18; Am. Crow, 235; Black-capped Chickadee, 75; Tufted Titmouse, 64; White-breasted Nuthatch, 57; Red-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 6; Common Starling, 562; House Sparrow, 1050; Red-winged Blackbird, 1005; Purple Grackle, 13; Brown-headed Cowbird, 500; Cardinal, 64; Am. Goldfinch, 4; Slate-colored Junco, 248; Am. Tree Sparrow, 177; Field Sparrow, 2; Song Sparrow, 5. **Total,** 42 species; about 504,824 individuals.—Mr. and Mrs. Orville Cater, Mr. and Mrs. Alfred Dyke, Donnabella Fry, Mr. and Mrs. J. D. Hawks, Mrs. Carl H. Kramer, Carl H. Kramer (compiler), Peggie Paden, Ellis Rudiger, Ethel Sharp, Ruth Skinner, Mary Smith, Frances Spaulding, Mr. and Mrs. Harry Thomas, Mary Uthoff, Mr. and Mrs. E. Whitten (Bureau Valley Audubon Club).

346. River Forest–Chicago Lakefront, Ill. (Cook County Forest Preserve along Des Plaines River between Washington Blvd. and North Avenue, Chicago lakefront between Randolph St. and Burnham Park

Lagoon; deciduous woodland 55%, lakefront 35%, open fields 10%).—Dec. 24; 7:15 a.m. to 4:15 p.m. Clear; temp. 28° to 40°; wind SW, 5-14 m.p.h.; ground bare, ponds frozen, river and Lake Michigan open. One observer. Total hours, 9 (7 on foot, 2 by car); total miles, 20 (11 on foot, 9 by car). Mallard, 10; Lesser Scaup, 600; Am. Golden-eye, 84; Old-squaw, 176; **Hooded Merganser, 1**; Red-breasted Merganser, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 300; Ring-billed Gull, 300; Hairy Woodpecker, 3; Downy Woodpecker, 9; Am. Crow, 10; Black-capped Chickadee, 21; White-breasted Nuthatch, 3; Brown Creeper, 2; Common Starling, 130; House Sparrow, 51; Cardinal, 14; Am. Goldfinch, 1; Slate-colored Junco, 21; Song Sparrow, 1. **Total,** 23 species; about 1741 individuals. (Seen in area count week: Tufted Titmouse.)—Allen C. Montague.

347. Rockford, Ill. (same area as last year; open fields and farms 30%, coniferous plantings 5%, creek and river borders 20%, deciduous woodlands 30%, marshlands and riverbottom sloughs 15%).—Dec. 22; 7 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 30° to 50°; wind SW, 0-5 m.p.h.; no snow on ground and no frozen water. Seventeen observers in 6 parties. Total party-hours, 37 (27 on foot, 10 by car); total party-miles, 274 (35 on foot, 239 by car). Mallard, 342; Black Duck, 45; Am. Widgeon, 1; Pintail, 2; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Rough-legged Hawk, 4; Marsh Hawk, 16; Sparrow Hawk, 3; European Partridge, 3; Bob-white, 8; Ring-necked Pheasant, 5; Am. Coot, 2; Herring Gull, 11; Ring-billed Gull, 9; Mourning Dove, 68; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Long-eared Owl, 12; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 27; Horned Lark, 21; Blue Jay, 104; Am. Crow, 377; Black-capped Chickadee, 113; Tufted Titmouse, 31; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 19; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 4; Golden-crowned Kinglet, 24; Common Starling, 509; House Sparrow, 599; Eastern Meadowlark, 1; Western Meadowlark, 2; Red-winged Blackbird, 4; Rusty Blackbird, 1; Cardinal, 86; Purple Finch, 30; Pine Siskin, 2; Am. Goldfinch, 91; Slate-colored Junco, 410; Am. Tree Sparrow, 604; Field Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 63. **Total,** 56 species; about 3797 individuals. (Seen in area count week: Am. Golden-eye, White-winged Crossbill.)—Bob Anderson, Donald Bennett, Harold E. Bennett, Kathern Bennett, David L. Burdick, Sherm Ehlert, Betty Lou Johnson, Lee G. Johnson, Milton Mahlburg, Jack Oar, Dave Seal (compiler), Jane Tester, John B. Van Sickle.

348. Springfield, Ill. (7½-mile radius centering on city square, including Lake Springfield, Clear Lake, Oak Ridge Cemetery, Carpenter's Park, Winch's Lane, Chatham Flats, Sangamon River; water 5%, riverbottom 15%, river bluffs 5%, pasture 20%, plowland 40%, city parks 15%).—Dec. 22; 6:30 a.m. to 5 p.m. Clear; temp. 39° to 59°; wind S, 5-25 m.p.h.; ground bare, lakes and river open. Nineteen observers in 5 parties. Total party-hours, 34 (25 on foot, 9 by car); total party-miles, 195 (20 on foot, 175 by car). Canada Goose, 65; Mallard, 432; Black Duck, 152; Wood Duck, 1; Redhead, 4; Canvasback, 8; Am. Golden-eye, 25; Ruddy Duck, 2; Am. Merganser, 15; Red-breasted Merganser, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 9; Bob-white, 41; Am. Coot, 5; Killdeer, 7; Herring Gull, 7; Ring-billed Gull, 700; Mourning Dove, 55; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 32; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 34; Horned Lark, 62; Blue Jay, 72; Am. Crow, 171; Black-capped Chickadee, 31; Tufted Titmouse, 72; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 4; Brown Creeper, 10; Carolina Wren, 4; Mockingbird, 6; Catbird, 1; Am. Robin, 3; Golden-crowned Kinglet, 14; Cedar Waxwing, 7; Common Starling, 12,700; House Sparrow, 638; Eastern Meadowlark, 3; Red-winged Blackbird, 1; Purple Grackle, 350; Cardinal, 111; **Common Redpoll, 7** (present 3 weeks); Pine Siskin, 1; Am. Goldfinch, 63; Slate-colored Junco, 321; Am. Tree Sparrow, 41; White-throated Sparrow, 1; Song Sparrow, 18. **Total,** 56 species; about 16,366 individuals.—Richard Allyn, Wayne Bailey, Maurice Cook, Beatrice Foster, Vernon Greening, Lena Hardbarger, Lois Hogan, Ellen Hopkins, Beatrice Hopwood, Mr. and Mrs. Frank Irwin, Al Kaszynski, Emma Leonhard, Mr. and Mrs. Turner Nearing, William O'Brien, Opel M. Rippey, W. A. Sausaman (compiler), Richard Ware (Springfield Nature League).

349. Urbana–Champaign, Ill. (Sangamon River near White Heath, Lake-of-the-Woods, Trelease and Brownfield Woods, South University Farms, intervening farmlands; woods 25%, forest–edge 25%, open country 50%).—Dec. 21; 8 a.m. to 4:30 p.m. Clear; temp. 32° to 48°; wind slight; lowland forests flooded by recent rains. Twenty observers in 4 parties. Total party-hours, 29 (17 on foot, 12 by car); total party-miles, 150 (30 on foot, 120 by car). Mallard, 210; Black Duck, 3; Lesser Scaup, 1; Cooper's Hawk, 3; Red-tailed Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 6; Ring-necked Pheasant, 4; Mourning Dove, 115; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 15; Hairy Woodpecker, 7; Downy Woodpecker, 48; Horned Lark, 45; Blue Jay, 36; Am. Crow, 75; Black-capped Chickadee, 32; Tufted Titmouse, 43; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 3; Brown Creeper, 9; Carolina Wren, 9; Mockingbird, 2; Am. Robin, 7; Golden-crowned Kinglet, 7; Loggerhead Shrike, 2; Common Starling, 1100+; House Sparrow, 230+; Eastern Meadowlark, 8; Rusty Blackbird, 4; Purple Grackle, 35; Brown-headed Cowbird, 500; Cardinal, 53; Am. Goldfinch, 40; Slate-colored Junco, 160; Am. Tree Spar-

row, 235; Swamp Sparrow, 1; Song Sparrow, 14; Lapland Longspur, 1. **Total,** 44 species; more than 3146 individuals.—O. K. Bower, Lois Drury, Stephen Emerson, Katie Hamrick, S. C. Kendeigh (compiler), George E. Lowe, H. W. Norton, Phil Norton, Clark L. Robinson, E. J. Scott, Hurst H. Shoemaker, Eugene Small, Mr. and Mrs. Elvin Warrick, Howard E. Weaver, George C. West, Mr. and Mrs. Charles Williams, Robert Williams, W. W. Wohlfarth (Champaign County Audubon Club).

350. **Waukegan, Ill.** (Waukegan harbor, lake front, woods and fields north of Waukegan, Public Service cooling pond, bird feeder in Lake Bluff, St. Mary's of the Lake Seminary; lake edge 60%, pine and other evergreens 10%, open fields 15%, inland lakes and creeks 15%).—Jan. 1; 8:30 a.m. to 4:45 p.m. Clear to partly overcast; temp. 5° to 9°; wind NW, 5 m.p.h.; 4-14-in. snow on ground, trees and bushes heavy with snow, water at lake front open, inland creeks and ponds partly frozen. Twelve observers in 2 parties. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 37 (7 on foot, 30 by car). Mallard, 17; Black Duck, 1; Am. Widgeon, 2; Redhead, 1; Canvas-back, 18; Greater Scaup, 25; Lesser Scaup, 150; Am. Golden-eye, 255; Oldsquaw, 36; Ruddy Duck, 2; Am. Merganser, 1214; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; falcon (sp.), 3; Ring-necked Pheasant, 1; Am. Coot, 5; Herring Gull, 173; Ring-billed Gull, 167; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 4; Am. Crow, 300; Black-capped Chickadee, 3; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 3; Golden-crowned Kinglet, 1; Common Starling, 36; House Sparrow, 6; Purple Grackle, 2; Cardinal, 3; Pine Grosbeak, 10; Am. Goldfinch, 7; Slate-colored Junco, 78; Am. Tree Sparrow, 59; Song Sparrow, 1. **Total,** 38 species; about 2596 individuals.—Karl E. Bartel, Catherine Campbell, Margaret C. Lehmann (compiler), Paul Schulze, Roy Smith, Charles Westcott, Helen A. Wilson, John Yondorf, J. O. Young, Ann Young, Mr. and Mrs. Albert J. Zimmerman.

351. **Western Mercer County, Ill.** (same area as last year).—Dec. 22; 6 a.m. to 5 p.m. Clear until late afternoon; temp. 32° to 45°; wind SW, 2-8 m.p.h. Nine observers in 4 parties. Total party-hours, 44 (30 on foot, 14 by car); total party-miles, 274 (66 on foot, 208 by car). Great Blue Heron, 1; Mallard, **155,600**; Black Duck, **55**; **Shoveller, 5**; Redhead, **32**; Am. Golden-eye, 88; Am. Merganser, 12; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 32; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 11; Bob-white, 106; Herring Gull, 15; Ring-billed Gull, 8; Mourning Dove, 14; Screech Owl, 2; Horned Owl, 6; Barred Owl, 2; Long-eared Owl, 9; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 16; Pileated Woodpecker, 4; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 6; Hairy Woodpecker, 20; Downy Woodpecker, 48; Horned Lark, 36; Blue Jay, 77; Am. Crow, 503; Black-capped Chickadee, 214; Tufted Titmouse, 68; White-breasted Nuthatch, 54; Red-breasted Nuthatch, **25**; Brown Creeper, 2; **Mockingbird, 3**; **Brown Thrasher, 1**; Am. Robin, 10; Golden-crowned Kinglet, 12; Cedar Waxwing, 19; Loggerhead Shrike, 1; Common Starling, 1122; House Sparrow, 786; Eastern Meadowlark, 29; Western Meadowlark, 3; Red-winged Blackbird, 50; Cardinal, 142; Purple Finch, 13; Am. Goldfinch, 59; Slate-colored Junco, 145; Oregon Junco, 1; Am. Tree Sparrow, 265; Song Sparrow, 15. **Total,** 59 species; about 159,803 individuals. (Seen in area census period: Ring-necked Pheasant, Pine Siskin.)—Carroll Greer, Richard Greer, May Greer, Theodore Greer, Nellie Marsh, Donald McIntyre, Earl Tomlinson, Marjie Trial, Robert Trial (compiler).

352. **Adams, Wis.** (same area and habitat percentages as last year, 7½-mile radius circle centered 1 mile south of Dellwood).—Dec. 28; 7 a.m. to 5:30 p.m. Clear; temp. 12° to 20°; wind NW, 15-5 m.p.h.; 1-in. snow, Wisconsin River open only below dams, creeks partly open. Twelve observers in 4 parties. Total party-hours, 36 (20 on foot, 16 by car); total party-miles, 299 (25 on foot, 274 by car). **Pied-billed Grebe, 1**; Great Blue Heron, 2; Mallard, 151; Black Duck, 173; **Blue-winged Teal, 1** (N.B., C.B.); **Wood Duck, 1** (M.L., R.L.); Am. Golden-eye, 12; Hooded Merganser, 3; Am. Merganser, 5; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Bald Eagle, **34**; Marsh Hawk, 2; Ruffed Grouse, 5; Bob-white, 5; Ring-necked Pheasant, 3; Wilson's Snipe, 4; Herring Gull, 7; Mourning Dove, 47; Horned Owl, 3; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 9; Hairy Woodpecker, 6; Downy Woodpecker, 9; Horned Lark, 7; Blue Jay, 203; Am. Crow, 317; Black-capped Chickadee, 92; Tufted Titmouse, 1; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 1; Brown Creeper, 3; Golden-crowned Kinglet, 11; Gray Shrike, 2; Common Starling, 205; House Sparrow, 218; **Purple Grackle, 1** (T.A.); Cardinal, 38; Evening Grosbeak, 44; Pine Grosbeak, 6; Common Redpoll, 718; Am. Goldfinch, 452; Slate-colored Junco, 97; **Oregon Junco, 2** (H.D., S.R.); Am. Tree Sparrow, 63; **Field Sparrow, 1** (H.D., S.R.); Song Sparrow, 1. **Total,** 50 species; about 3016 individuals. [All 3 counts submitted by Sam Robbins well prepared with substantiating details for all unusual observations—Ed.]—Tom Ashman, Mr. and Mrs. N. R. Barger, Mr. and Mrs. Herman Denzin, Mr. and Mrs. Roy Lound, Sam Robbins (compiler), Josephine Walker, Mrs. R. A. Walker, Ray White, Dick Wills.

353. **Appleton, Wis.** (7½-mile radius centering in Appleton, east to Kaukauna, west and south to Lake Winnebago, west to Neenah, north to Town Line Road; city streets, parks, cemetery 20%, river banks 25%, lake front 25%, fields 20%, deciduous woodland 10%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy, snowing morning; temp. 6° to 14°; wind N to NE, 8-11 m.p.h.; 6-in. snow, river partly frozen, lake

open only at mouth of river. Nine observers in 3 parties. Total party-hours, 25 (10 on foot, 15 by car); total party-miles, 80 (10 on foot, 70 by car). Mallard, 29; Black Duck, 277; Am. Golden-eye, 294; Am. Merganser, 10; Rough-legged Hawk, 3; Ruffed Grouse, 2; European Partridge, 12; Ring-necked Pheasant, 1; Herring Gull, 1; Mourning Dove, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 14; Am. Crow, 6; Black-capped Chickadee, 48; Tufted Titmouse, 2; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 2; Brown Creeper, 4; Am. Robin, 7; Gray Shrike, 1; Common Starling, 142; House Sparrow, 298; Cardinal, 24; Pine Grosbeak, 2; Slate-colored Junco, 78; Am. Tree Sparrow, 25; White-throated Sparrow, 2; Snow Bunting, 96. **Total,** 30 species; about 1402 individuals. (Pied-billed Grebe, Yellow-shafted Flicker, Common Redpoll, Pine Siskin in area count period.)—Bruce Douglass, Dick Douglass, Lilas Lipske, Mrs. T. E. Orbison, Mrs. Fred Poppe, Mrs. W. C. Rehbein, Mrs. Walter E Rogers (compiler), Daryl Tessen, Mrs. Fred Tessen.

354. Beloit, Wis. (area same as 1956).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 24° to 29°; wind SE, 5-15 m.p.h.; 1½-in. snow cover, small streams and ponds frozen. Eighteen observers in 5 parties. Total party-hours, 42 (12 on foot, 30 by car); total party-miles, 234 (20 on foot, 214 by car). Mallard, 10; Cooper's Hawk, 1; Red-tailed Hawk, 8; Rough-legged Hawk, 3; Marsh Hawk, 7; Sparrow Hawk, 1; Bob-white, 46; Ring-necked Pheasant, 6; Herring Gull, 1; Ring-billed Gull, 6; Mourning Dove, 74; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 20; Blue Jay, 55; Am. Crow, 94; Black-capped Chickadee, 30; Tufted Titmouse, 4; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Common Starling, 784; House Sparrow, 568; Western Meadowlark, 4; Red-winged Blackbird, 2; Cardinal, 17; Purple Finch, 13; Pine Grosbeak, 7; Common Redpoll, 7; Pine Siskin, 3; Am. Goldfinch, 109; Slate-colored Junco, 326; Am. Tree Sparrow, 485; White-throated Sparrow, 1; Song Sparrow, 5. **Total,** 41 species; about 2727 individuals.—David J. Cox (compiler) (Ned Hollister Bird Club).

355. Chippewa Falls, Wis. (same area as last year; Big Falls west to Dell's Pond, north along Chippewa River to Chippewa Falls, perimeter of Lake Wissota).—Dec. 22; 6:15 a.m. to 5:45 p.m. Clear a.m., overcast p.m.; temp.?° to ?°; wind SSE, 8-12 m.p.h.; 1½-in crusted snow, river more open than usual. Five observers in 1 party. Total party-hours, 11½ (2½ on foot, 9 by car); total party-miles, 78 (2 on foot, 76 by car). Mallard, 18; Am. Golden-eye, 28; Red-tailed Hawk, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, **161**; Am. Crow, **119**; Black-capped Chickadee, **47**; Tufted Titmouse, 1; White-breasted Nuthatch, **16**; Red-breasted Nuthatch, **10**; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, **276**; House Sparrow, 297; Cardinal, 4; Evening Grosbeak, 15; Pine Grosbeak, 3; Common Redpoll, 27; Am. Goldfinch, 328; Slate-colored Junco, 19; Am. Tree Sparrow, 3. **Total,** 23 species; about 1386 individuals.—C. A. Kemper (compiler), C. Lamb, E. Miller, Ed Reifenauer, Neva Reifenauer.

356. Dancy, Wis. (7½-mile radius circle centered 4 miles northwest of Dancy, including Mosinee, Knowleton, Moon, Halder, Milladore).—Dec. 21; 8 a.m. to 4 p.m. Partly cloudy; temp. 22° to 35°; wind NW, 10-20 m.p.h.; 4-6-in. snow on ground, most water frozen. Eight observers in 2 parties. Total party-hours, 16 (2 on foot, 14 by car); total party-miles, 219 (2 on foot, 217 by car). Ruffed Grouse, 2; Mourning Dove, 2; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 40; Am. Crow, 6; Black-capped Chickadee, 24; White-breasted Nuthatch, 3; Gray Shrike, 2; Common Starling, 98; House Sparrow, 395; Cardinal, 1; Evening Grosbeak, 36; Pine Grosbeak, 34; Common Redpoll, 101; White-winged Crossbill, 25; Slate-colored Junco, 1; Am. Tree Sparrow, 5. **Total,** 19 species; about 779 individuals. (In area count period: Mallard, Hairy Woodpecker, Snow Bunting.)—Raymond Anderson (compiler), Donald Deering, Donna Deering, Jo Ann Gerlack, Marilyn Herrick, Willa Pachuo, Charles Welk.

357. Hales Corners, Wis. (same area as in 1955).—Dec. 30; 8 a.m. to 4:30 p.m. Overcast, sleet until 1 p.m.; temp. 18° to 25°; wind NNE, 8-22 m.p.h.; 3-in. snow, some fresh, Lake Michigan and some streams open. Four observers in 1 party. Total party-hours, 8½ (3½ on foot, 5 by car); total party-miles, 130 (8 on foot, 122 by car). Mallard, 642; Black Duck, 168; Am. Widgeon, 1; Pintail, 1; **Green-winged Teal, 1** (wintering on park pond); Redhead, 7; Canvas-back, 3; Greater Scaup, 1370; Lesser Scaup, 6; Am. Golden-eye, 13,500; Buffle-head, 691; Old-squaw, 354; Ruddy Duck, 2; Hooded Merganser, 7; Am. Merganser, 26; Red-breasted Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 27; Herring Gull, 151; Ring-billed Gull, 63; Long-eared Owl, 22; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 7; Am. Crow, 2844; Black-capped Chickadee, 15; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 2; **Hermit Thrush, 1** (carefully identified); Golden-crowned Kinglet, 3; Cedar Waxwing, 3; Gray Shrike, 1; Common Starling, 247; House Sparrow, 502; Eastern Meadowlark, 1; Cardinal, 9; Pine Grosbeak, 12; Am. Goldfinch, 2; Slate-colored Junco, 40; Oregon Junco, 1; Am. Tree Sparrow, 245; Song Sparrow, 1. **Total,** 48 species; about 21,009 individuals. (Seen in area count period: Mockingbird.)—Ivy Balsom, Mary Donald (compiler), Nila O'Hearn, Karl Priebe.

358. Lake Geneva, Wis. (same area as last year, around entire lake stopping at suitable localities for observations; town and suburbs 35%, deciduous woods

25%, open water 30%, pasture 5%, cattails and spring-fed streams 5%).—Dec. 22; 7:15 a.m. to 4:15 p.m. Clear; temp. 35° to 52°; wind S, 5-10 m.p.h.; no snow, lake free of ice. Twelve observers in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 87 (12 on foot, 75 by car). Horned Grebe, 3; Pied-billed Grebe, 3; Canada Goose, 1; Mallard, 100; Black Duck, 58; Redhead, 2; Canvas-back, 600+; Lesser Scaup, 20; Am. Golden-eye, 200; Buffle-head, 7; White-winged Scoter, 1; Surf Scoter, 2; Hooded Merganser, 2; Am. Merganser, 35; Red-breasted Merganser, 16; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 5; Am. Coot, 451; Herring Gull, 15; Ring-billed Gull, 478; Long-eared Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 15; Blue Jay, 15; Am. Crow, 99; Black-capped Chickadee, 50; White-breasted Nuthatch, 35; Brown Creeper, 5; Am. Robin, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 21; Common Starling, 19; House Sparrow, 9; Eastern Meadowlark, 1; Cardinal, 17; Purple Finch, 6; Pine Grosbeak, 1; Common Redpoll, 11; Pine Siskin, 57; Am. Goldfinch, 51; Slate-colored Junco, 30; Am. Tree Sparrow, 80; Song Sparrow, 2. **Total,** 50 species; 2553+ individuals.—Earl Anderson, Mr. and Mrs. Frank Anderson, Karl Bartel, Margaret Lehmann, Clarence Palmquist (compiler), Ronald Palmquist, Robert Palmquist, Alfred Reuss, Carl F. Wilm, John Yondorf.

359. **Madison, Wis.** (7½-mile radius centered on State Capitol as in past; deciduous woods 35%, coniferous woods 15%, cattail swamps 10%, cultivated fields 30%, open water 10%).—Dec. 21; 5 a.m. to 5:30 p.m. Clear; temp. 30° to 40°; wind SW to W, 8-10 m.p.h.; ground covered at start with day-old snow, Yahara River and most of Lake Mendota open, other streams and lakes frozen. Thirty-seven observers in 16 parties. Total party-hours, 116 (80 on foot, 36 by car); total party-miles, 554 (60 on foot, 494 by car). Pied-billed Grebe, 1; Mallard, 621; Black Duck, 298; Gadwall, 1; Redhead, 11; Ring-necked Duck, 1; Canvas-back, 202; Lesser Scaup, 7; Am. Golden-eye, 527; Buffle-head, 21; Hooded Merganser, 6; Am. Merganser, 253; Red-breasted Merganser, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 5; Red-tailed Hawk, 44; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, 15; Sparrow Hawk, 6; Bob-white, 11; Ring-necked Pheasant, 109; Am. Coot, 80; Herring Gull, 169; Ring-billed Gull, 41; Mourning Dove, 87; Screech Owl, 1; Horned Owl, 4; Long-eared Owl, 9; Short-eared Owl, 2; Belted Kingfisher, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 12; Hairy Woodpecker, 31; Downy Woodpecker, 60; Horned Lark, 16; Blue Jay, 357; Am. Crow, 543; Black-capped Chickadee, 357; Tufted Titmouse, 28; White-breasted Nuthatch, 102; Red-breasted Nuthatch, 52; Brown Creeper, 31; Winter Wren, 2; **Long-billed Marsh Wren, 1**; **Short-billed Marsh Wren, 1** (S.R.); **Brown Thrasher, 2**; Am. Robin, 8; Golden-crowned Kinglet, 102; Cedar Waxwing, 1; Gray Shrike, 3; Common Starling, 2594; House Sparrow, 2803; Eastern Meadowlark, 14; Western Meadowlark, 22; Red-winged Blackbird, 4000; Rusty Blackbird, 12; Purple Grackle, 215; Brown-headed Cowbird, **83**; Cardinal, 155; **Rose-breasted Grosbeak, 1**; (carefully identified, T.A., E.R.); Evening Grosbeak, 7; Purple Finch, 61; Pine Grosbeak, 50; Common Redpoll, 3; Pine Siskin, 22; Am. Goldfinch, 204; Red Crossbill, 9; White-winged Crossbill, 181; Slate-colored Junco, 599; Oregon Junco, 2; Am. Tree Sparrow, 1028; White-crowned Sparrow, 1; White-throated Sparrow, 7; Swamp Sparrow, 5; Song Sparrow, 14; Lapland Longspur, 1; Snow Bunting, 1. **Total,** 78 species; about 16,355 individuals. (Seen in area count period: Horned Grebe, Pintail, Snowy Owl.)—David Ahlgren, Thomas Ashman, Mr. and Mrs. N. R. Barger, Norval Barger, Jr., Mr. and Mrs. Wayne Brown, Joy De Leon, Robert Ellarson, John and Stephen Emlen, Mr. and Mrs. Bill Foster, Dr. and Mrs. Joseph Hickey, William Hilsenhoff, Frank King, Mrs. Dorothy Lacey, Mr. and Mrs. Roy Lound, Robert McCabe, Tom Nichols, Howard Orians, Eleanor Peterson, Andrew Ragatz, Eugene Roark, Samuel Robbins, Mr. and Mrs. Norris Sanders, A. W. Schorger, Mr. and Mrs. Fred Shepherd, Mrs. W. L. Stephens, Dr. J. G. Waddell, Mrs. R. A. Walker (compiler), Ray White, Dick Wills.

360. **Mazomanie, Wis.** (7½-mile radius centered 1½ miles SE of Witwen, same area as 1956; deciduous woodland 40%, fields 30%, marsh 20%, river and banks 10%).—Jan. 1; 6:30 a.m. to 5 p.m. Cloudy; temp. 0° to 15°; wind NW, 5-15 m.p.h.; 3-in. snow, Wisconsin River half frozen, creeks mostly frozen. Eleven observers in 6 parties. Total party-hours, 41 (22 on foot, 19 by car); total party-miles, 331 (37 on foot, 294 by car). **Pied-billed Grebe, 1** (S.R.); Am. Golden-eye, 85; Am. Merganser, 11; Red-breasted Merganser, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 22; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 6; Marsh Hawk, 7; Sparrow Hawk, 3; Ruffed Grouse, 3; Bob-white, 34; Ring-necked Pheasant, 23; Wilson's Snipe, 5; Herring Gull, 14; **Ring-billed Gull, 1** (H.W.); Mourning Dove, 41; Horned Owl, 9; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 18; Hairy Woodpecker, 22; Downy Woodpecker, 59; Horned Lark, 34; Blue Jay, 217; Am. Crow, 280; Black-capped Chickadee, 213; Tufted Titmouse, 18; White-breasted Nuthatch, 71; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Winter Wren, 2** (N.B., R.L., S.R.); Am. Robin, 1; Golden-crowned Kinglet, 12; Cedar Waxwing, 7; Gray Shrike, 2; Common Starling, 198; **Myrtle Warbler, 1** (S.R.); House Sparrow, 1587; meadowlark (sp.), 1; Rusty Blackbird, 7; **Brown-headed Cowbird, 1** (R.L., N.B.); Cardinal, **180**; Evening Grosbeak, 3; Purple Finch, 108; Pine Grosbeak, 4; Common Redpoll, 29; Pine Siskin, 2; Am. Goldfinch, 715; Slate-colored Junco, 959; **Oregon Junco, 5** (3 parties); Am. Tree Sparrow, 2074; **Field Sparrow, 7** (S.R.); Song Sparrow,

4; Lapland Longspur, 24; Snow Bunting, 30. **Total,** 61 species; about 7219 individuals.—N. R. Barger, Buddy Barger, Edna Koenig, Mr. and Mrs. Harold Kruse, Mr. and Mrs. Roy Lound, Sam Robbins (compiler), Ray White, Mr. and Mrs. Howard Winkler.

361. Milwaukee, Wis. (same area as in 1955).—Dec. 22; 6:30 a.m. to 4:30 p.m. Partly cloudy; temp. 34° to 52°; wind S, 10-23 m.p.h.; Lake Michigan and Milwaukee River open. Eighteen observers in 7 parties. Total party-hours, 43 (13 on foot, 29 by car, 1 by horseback); total party-miles, 276 (26 on foot, 247 by car, 3 on horseback). **Red-throated Loon, 1**; Canada Goose, 1; Mallard, 1680; Black Duck, 160; Pintail, 2; Redhead, 10; Canvas-back, 120; Greater Scaup, 185; Lesser Scaup, 150; Am. Golden-eye, 321; Buffle-head, 269; Old-squaw, 166; White-winged Scoter, 5; Ruddy Duck, 31; Am. Merganser, 210; Red-breasted Merganser, 28; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 13; European Partridge, 6; Ring-necked Pheasant, 31; Herring Gull, 1615; Ring-billed Gull, 2758; Bonaparte's Gull, 45; Mourning Dove, 19; Screech Owl, 1; Long-eared Owl, 24; Belted Kingfisher, 1; **Yellow-shafted Flicker, 1**; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 7; Am. Crow, 228; Black-capped Chickadee, 69; **Tufted Titmouse, 2**; White-breasted Nuthatch, 18; Red-breasted Nuthatch, **14**; Brown Creeper, **9**; **Brown Thrasher, 1**; Am. Robin, 5; Golden-crowned Kinglet, 18; Common Starling, 354; House Sparrow, 542; **Purple Grackle, 2**; Cardinal, 24; Purple Finch, 1; Pine Grosbeak, **58**; Common Redpoll, 2; Pine Siskin, 13; Am. Goldfinch, 12; White-winged Crossbill, 24; **Eastern Towhee, 1**; Slate-colored Junco, 143; **Oregon Junco, 1**; Am. Tree Sparrow, 23; **Fox Sparrow, 1. Total,** 58 species; about 9397 individuals. (Seen in area official period: Am. Widgeon, Hooded Merganser, Cedar Waxwing, Gray Shrike.)—Marion Allen, Mrs. A. P. Balsom, Mr. and Mrs. E. L. Bastian, Harold Bauers, Mrs. A. C. Bromm, Mrs. Arthur Bruss, Mrs. Ruth Cowen, Mrs. C. R. Decker, Jr., Mary Donald (compiler), Mr. and Mrs. Carl Frister, Anna Hehn, Mrs. Harold Leibherr, Mrs. Lillian Logeman, Mrs. Nila O'Hearn, Karl Priebe, Mrs. Amelia Simmons.

362. Pepin County, Wis. (southern and southwestern part of Pepin County, all within 7½-mile radius of section 30 in Frankfort township).—Jan. 1; 7:30 a.m. to 4:30 p.m. Mostly overcast; temp. −2° to 10°; wind NW, up to 25 m.p.h. Five observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party miles, 81 (1 on foot, 80 by car). Am. Golden-eye, 100; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 1; Barred Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 11; Hairy Woodpecker, 3; Downy Woodpecker, 9; Blue Jay, 144; Am. Crow, 91; Black-capped Chickadee, 69; Tufted Titmouse, 2; White-breasted Nuthatch, 24; Gray Shrike, 1; Common Starling, 208; House Sparrow, 817; **Eastern Meadowlark, 2**; Cardinal, **115**; Common Redpoll, 265; Am. Goldfinch, 78; Slate-colored Junco, 67; Am. Tree Sparrow, 42; Song Sparrow, 1; unidentified, 8. **Total,** 27 species; about 2081 individuals.—Nils Dahlstrand, Charles Kemper (compiler), Elaine Miller, Ed. Reifenauer, Neva Reifenauer.

363. Racine, Wis. (same area as last year, 7-mile radius of Racine).—Dec. 28; 7:30 a.m. to 5 p.m.; temp. 20° to 25°; wind NW, 25-10 m.p.h.; 1-in. snow cover, lake open. Nine observers in 7 parties. Total party-hours, 26; total party-miles, 134 (16 on foot, 118 by car). Canada Goose, 6; Mallard, 617; Black Duck, 178; Am. Widgeon, 1; Pintail, 1; Greater Scaup, 55; Am. Golden-eye, 1472; Buffle-head, 37; Old-squaw, 333; **White-winged Scoter, 3**; Am. Merganser, 71; Red-breasted Merganser, 11; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 53; Am. Coot, 1; Herring Gull, 2139; Ring-billed Gull, 300; Mourning Dove, 21; Snowy Owl, 1; Long-eared Owl, 11; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 7 (1 Northern); Blue Jay, 4; Am. Crow, 9; Black-capped Chickadee, 7; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Am. Robin, 3; Cedar Waxwing, 12; Common Starling, 479; **Myrtle Warbler, 1**; House Sparrow, 66; Eastern Meadowlark, 1; Purple Grackle, 1; Cardinal, 11; Purple Finch, 3; Am. Goldfinch, 10; Slate-colored Junco, 106; Am. Tree Sparrow, 26; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 45 species (1 additional subspecies); about 6090 individuals.—Charles Buhro, Laura DuFour, Mrs. Frank Kranick, Mrs. W. A. Peirce, Edward Prins, George Prins, J. Allan Simpson, B. L. von Jarchow, Mary-Elizabeth Whelan (compiler).

364. Rhinelander, Wis. (15-mile diameter circle in south-central Oneida County, center in Section 27, Newbold Township, T37N, R8E; open farmland 20%, conifer and deciduous forests 75%, city 5%).—Dec. 21; 8 a.m. to 4:30 p.m. Overcast; temp. 26° to 29°; wind NW, 10-15 m.p.h.; 8-in. snow on ground, lakes frozen, rivers and creeks mostly open. Two observers in 1 party. Total party-hours, 8½ (1 on foot, 7½ by car); total party-miles, 73 (½ on foot, 72½ by car). Am. Golden-eye, 10; Ruffed Grouse, 2; Blue Jay, 3; Black-capped Chickadee, 29; Red-breasted Nuthatch, 2; Common Starling, 2; House Sparrow, 50; Pine Grosbeak, 10; Red Crossbill, 4; White-winged Crossbill, 5. **Total,** 10 species; about 117 individuals.—Lois Dahlstrand, Nils P. Dahlstrand (compiler).

365. Seneca, Wis. (same area as last year).—Dec. 22; 7:20 a.m. to 4:30 p.m. Clear a.m., overcast p.m.; temp. 32° to 46°; wind SE, 0-10 m.p.h.; places with 2-in. snow, river and streams partly frozen. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 42 (8 on foot, 34 by car). Red-tailed Hawk, 2; Bald Eagle, 2; Herring Gull, 82; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2;

Red-headed Woodpecker, 2; Downy Woodpecker, 1; Blue Jay, 13; Am. Crow, 4; Black-capped Chickadee, 10; Tufted Titmouse, 3; White-breasted Nuthatch, 6; Common Starling, 38; House Sparrow, 37; Cardinal, 23; Am. Goldfinch, 1; Slate-colored Junco, 9; Am. Tree Sparrow, 37. **Total,** 18 species; about 274 individuals.—Clarence Paulson.

366. **Spooner, Wis.** (Audubon Camp of Wisconsin and adjacent farms).—Dec. 27; 8 a.m. to 4 p.m. One observer. Total hours, 8. Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 7; Gray Jay, 1; Blue Jay, 7; Black-capped Chickadee, 28; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 6; House Sparrow, 102; Evening Grosbeak, 61. **Total,** 11 species; about 237 individuals.—Victor Laveau.

367. **Waukesha, Wis.** (15-mile diameter, Waukesha parks, southeast to Kettle Moraine State Forest, Fox River valley to Mukwonago Marsh, to Saylesville, south to Mukwonago, north to south shore of Pewaukee Lake, west to Dousman; open farmlands 45%, deciduous farm woodlots 36%, tamarack swamp 4%, grassy marsh 14%, parks ½%, coniferous plantings ½%, 6 feeding stations).—Dec. 22; 6:30 a.m. to 5 p.m.; temp. 34° to 48°; wind SSW, 15-20 m.p.h.; no snow, lakes and rivers partly open. Twenty-six observers in 7 parties. Total party-hours, 61 (28 on foot, 33 by car); total party-miles, 480 (52 on foot, 428 by car). Pied-billed Grebe, 2; Mallard, 40; Black Duck, 60; Shoveller, 1; Am. Golden-eye, 15; Am. Merganser, 27; Cooper's Hawk, 1; Red-tailed Hawk, 26; Rough-legged Hawk, 4; Marsh Hawk, 10; Sparrow Hawk, 7; European Partridge, 6; Ring-necked Pheasant, 22; Am. Coot, 8; Herring Gull, 130; Mourning Dove, 83; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 7; Hairy Woodpecker, 14; Downy Woodpecker, 35; Horned Lark, 10; Blue Jay, 108; Am. Crow, 1469; Black-capped Chickadee, 143; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 13; Brown Creeper, 3; Am. Robin, 5; Golden-crowned Kinglet, 12; Cedar Waxwing, 5; Gray Shrike, 4; Common Starling, 994; House Sparrow, 1381; Red-winged Blackbird, 12; Purple Grackle, 5; Brown-headed Cowbird, 11; Cardinal, 42; Evening Grosbeak, 1; Purple Finch, 28; Pine Grosbeak, 29; Common Redpoll, 37; Pine Siskin, 34; Am. Goldfinch, 181; White-winged Crossbill, 7; Eastern Towhee, 1; Slate-colored Junco, 345; Oregon Junco, 4; Am. Tree Sparrow, 771; Swamp Sparrow, 1; Song Sparrow, 3; Lapland Longspur, 4; Snow Bunting, 30. **Total,** 56 species; about 6248 individuals.—Robert Adams (compiler), Clarence Anthes, Olive Compton, Les Compton, Ron Cuthbert, Richard Gerstner, Em Hoffman, Paul Hoffman, S. Paul Jones, Helen Kramer, Charles E. Nelson, Jr., Mary Nelson, E. R. Rutenber, Mary Rutenber, Lydia Schwartz, Tom Soulen, Mary Sydow, Walter Wallman, Ernest Zimmerman.

368. **Wisconsin Dells, Wis.** (Lake Delton, Wisconsin Dells, east side of Wisconsin River north to Highway 82, east to Big Spring Marsh; deciduous woods 30%, fields 35%, coniferous woods 15%, marsh 10%, river banks 10%).—Dec. 24; 6:45 a.m. to 4:15 p.m. Clear; temp. 13° to 39°; wind S, 5 m.p.h.; ground bare, Wisconsin River and most creeks open. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 85 (5 on foot, 80 by car). Mallard, 1; Am. Golden-eye, 2; Red-tailed Hawk, 5; Ruffed Grouse, 4; Ring-necked Pheasant, 5; Herring Gull, 8; Mourning Dove, 10; Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 15; Hairy Woodpecker, 11; Downy Woodpecker, 9; Horned Lark, 4; Blue Jay, 158; Am. Crow, 147; Black-capped Chickadee, 89; Tufted Titmouse, 4; White-breasted Nuthatch, 45; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 213; House Sparrow, 385; Eastern Meadowlark, 6; **Purple Grackle,** 1; Cardinal, 7; Evening Grosbeak, 25; Purple Finch, 3; Pine Grosbeak, 2; Common Redpoll, 102; Pine Siskin, 43; Am. Goldfinch, 157; White-winged Crossbill, 1; Slate-colored Junco, 55; Am. Tree Sparrow, 153; **Field Sparrow, 2**; Song Sparrow, 4; Snow Bunting, 1. **Total,** 41 species; about 1698 individuals.—Sam Robbins.

369. **Afton, Minn.** (7½-mile radius centering in Afton making semicircle on west side of St. Croix River; open farmland 70%, deciduous wooded river banks, hills and valleys 30%).—Dec. 21; 7:45 a.m. to 4:30 p.m. Clear; temp. 29° to 40°; wind W to SE, 10 m.p.h.; little snow, St. Croix River open in spots. Ten observers in 8 parties. Total party-hours, 40 (28 on foot, 12 by car); total party-miles, 135 (15 on foot, 120 by car). Mallard, 236; **Wood Duck, 2**; Lesser Scaup, 7; Am. Golden-eye, 45; Am. Merganser, 65; Red-tailed Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 7; European Partridge, 5; **Bob-white, 12 (C.A.)**; Ring-necked Pheasant, 16; Herring Gull, 3; Horned Owl, 1; Barred Owl, 1; Pileated Woodpecker, 4; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 38; Blue Jay, 104; Am. Crow, 21; Black-capped Chickadee, 75; Tufted Titmouse, 10; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 3; Am. Robin, 1; Cedar Waxwing, 15; Common Starling, 19; House Sparrow, 237; meadowlark (sp.), 1; Cardinal, 29; Common Redpoll, 42; Am. Goldfinch, 11; Slate-colored Junco, 75; Am. Tree Sparrow, 48. **Total,** 36 species; about 1099 individuals. [**Five** Yellow-bellied Sapsuckers reported without details and not even underlined as unusual removed from list—Ed.]—Coy Asp, Oliver Charley, Mrs. Henry Hellum, Mrs. Fremont Jewell, Mr. and Mrs. Boyd M. Lien (compilers), Al Malmquist, Min Paro, Mrs. Ralph Paulson, Mrs. Robert Rowe.

370. **Cedar Creek Bog, Minn.** (10 square miles of Cedar Creek Game Refuge, Anoka County, also land adjacent to road leading to area for 2 miles; open farmland 79%, White Pine and hardwoods 15%, White Cedar, Tamarack and alder 5%, cattail

marsh 1%).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. -3° to 5°; wind NW, 10-15 m.p.h.; ground with 6-in. crusted snow, fresh water frozen. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 25 (1 on foot, 24 by car). Red-tailed Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Horned Owl, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 3; Blue Jay, 32; Am. Crow, 15; Black-capped Chickadee, 75; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 4; Golden-crowned Kinglet, 3; Gray Shrike, 1; House Sparrow, 10; Cardinal, 2; Evening Grosbeak, 12; Pine Grosbeak, 7; Common Redpoll, 450; Slate-colored Junco, 5; Am. Tree Sparrow, 21. **Total,** 23 species; about 658 individuals.—Bruce Hayward, Harvey L. Patten (compiler).

371. **Duluth, Minn.** (St. Louis River and Bay, section of Lake Superior shore including Minnesota Point; town suburbs 15%, parks and highways 75%, sand dunes 10%).—Dec. 29; 8 a.m. to 4 p.m. Clear; calm; temp. -8° to 6°. Eight observers in 5 parties. Total party-hours, 38 (28 on foot, 10 by car); total party-miles, 136 (42 on foot, 94 by car). Mallard, 2; Am. Golden-eye, 54; Red-breasted Merganser, 4; Rough-legged Hawk, 1; Ruffed Grouse, 15; Ring-necked Pheasant, 14; Glaucous Gull, 5; Herring Gull, 1179; Ring-billed Gull, 17; Horned Owl, 3; Long-eared Owl, 1; Richardson's Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 19; Gray Jay, 1; Blue Jay, 23; Common Raven, 22; Black-capped Chickadee, 55; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 19; Brown Creeper, 1; Am. Robin, 4; Bohemian Waxwing, 247; Gray Shrike, 1; Common Starling, 117; House Sparrow, 201; Red-winged Blackbird, 4; Evening Grosbeak, 82; Pine Grosbeak, 126; Common Redpoll, 405; Slate-colored Junco, 5; Snow Bunting, 2. **Total,** 33 species; about 2651 individuals.—Joel Bronoel, Margaret Brown, Harold Evans, O. A. Finseth (compiler), Henry Gilbert, John Hale, Pershing B. Hofslund, Gary C. Kuyava.

372. **Excelsior, Minn.** (7½-mile radius centering 1 mile southeast of Chanhassen, including areas about Lake Minnetonka, Glen Lake, Minnesota River, Christmas Lake; pasture and open fields 40%, deciduous woodland and planted evergreens 30%, open water 1%, frozen water 29%).—Dec. 28; 7:30 a.m. to 4 p.m. Clear to partly cloudy; temp. 11° to 20°; wind W, 6 m.p.h.; ½-in. old snow. Nineteen observers in 8 parties. Total party-hours, 57 (18 on foot, 39 by car); total party-miles, 369 (21 on foot, 348 by car). Mallard, 321; Black Duck, 14; Goshawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 53; Mourning Dove, 2; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 6; Red-bellied Woodpecker, 12; Red-headed Woodpecker, **9**; Hairy Woodpecker, 27; Downy Woodpecker, 38; Blue Jay, 206; Am. Crow, 43; Black-capped Chickadee, 206; White-breasted Nuthatch, 97; Red-breasted Nuthatch, **19**; Brown Creeper, 6; Am. Robin, 1; Golden-crowned Kinglet, 12; Common Starling, 143; House Sparrow, 1726; Red-winged Blackbird, 200; Rusty Blackbird, 15; Purple Grackle, 3; Cardinal, 64; Purple Finch, 47; Pine Grosbeak, **12**; **Hoary Redpoll, 2**; Common Redpoll, 87; Pine Siskin, 1; Am. Goldfinch, 101; White-winged Crossbill, 27; Slate-colored Junco, 110; Am. Tree Sparrow, 132; Lapland Longspur, 2. **Total,** 40 species; about 3759 individuals. (Seen in area count period: Tufted Titmouse, Cedar Waxwing, Evening Grosbeak, Oregon Junco.)—Lester R. Badger, Mr. and Mrs. Whitney Eastman, Arnold B. Erickson, Mr. and Mrs. M. E. Herz, Robert Janssen, Mr. and Mrs. Goodrich Lowry, Mrs. Mary Lupient, Edward I. Morse, Mr. and Mrs. Henry T. Pratt, John Pratt, Horace G. Scott, Mr. and Mrs. Philip D. Tryon (compiler), Ray Walker, James Willkie.

373. **Hibbing, Minn.** (15-mile diameter including Hibbing, Stuntz; streets 5%, lake shorelines 5%, open farmland 10%, balsam–tamarack swamp 20%, pine forest 40%, second-growth poplar–birch forest 20%).—Dec. 29; 7:30 a.m. to 4:45 p.m.; temp. -15° to -23°; wind NE, 5 m.p.h.; Hibbing on count day official cold spot of nation, extreme cold limited count to 100% auto. Eleven observers in 2 parties. Total party-hours, 16 (all in car); total party-miles, 175 (all by car). Ruffed Grouse, 2; Hairy Woodpecker, 1; Downy Woodpecker 1; Gray Jay, 1; Blue Jay, 1; Common Raven, 3; Black-capped Chickadee, 32; Brown-capped Chickadee, 1; Red-breasted Nuthatch, 3; Gray Shrike, 1; Common Starling, 2; House Sparrow, 33; Evening Grosbeak, 27; Pine Grosbeak, **286**; Common Redpoll, 60; **White-winged Crossbill, 15**; Snow Bunting, 117. **Total,** 17 species; about 586 individuals. (In area count period: Pileated Woodpecker, **Arctic Woodpecker**.)—Richard Graham, Catherine Micensky, Joanne Micensky, John Micensky, Mrs. John Micensky, Ray Naddy (compiler), Mrs. Ray Naddy, Bonnie Pingatore, Frank Pingatore, Karen Pingatore, Leonard Pingatore.

374. **Minneapolis (north), Minn.** (7½-mile radius from Camden Park to Anoka, both sides of Mississippi River; open farmland 48%, town suburbs 33%, deciduous farm woodlots 15%, deciduous river banks and valleys 2%, marshes and sloughs 2%).—Dec. 29; 8 a.m. to 4:30 p.m. Clear; temp. -3° to 6°; wind NNE, 9 m.p.h.; little snow, practically all creeks with open water, Mississippi River open below Coon Creek Dam. Twelve observers in 5 parties. Total party-hours, 25 (6 on foot, 19 by car); total party-miles, 269 (14 on foot, 255 by car). Mallard, 8; Am. Golden-eye, 59; Red-tailed Hawk, 2; Ring-necked Pheasant, 111; Barred Owl, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 7; Gray Jay, 1; Blue Jay, 66; Am. Crow, 30; Black-capped Chickadee, 33; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 2; Common Starling, 32; House Sparrow, 724; Cardinal, 2; Purple Finch, 15; Common Redpoll, 250; Am. Goldfinch, 3; Slate-colored Junco, 39; Am.

Tree Sparrow, 82. **Total,** 23 species; about 1485 individuals. [Exceptionally neat, carefully prepared report—Ed.]—O. V. Johnson, Mr. and Mrs. Boyd M. Lien (compilers), Vera Sparkes, Mr. and Mrs. Melvin Stenrud, Mr. and Mrs. Charles Wiberg, Charles F. Wright, Gavin Wright, Kristin Wright, Robin Wright (Minneapolis Bird Club).

375. **Minneapolis (south), Minn.** (area 5 miles wide beginning at intersection of Minnehaha Parkway and Lyndale Ave. and extending south to Minnesota River, both sides of river to Savage).—Dec. 21; 8:30 a.m. to 4:30 p.m. Fair; temp. 40° at noon; wind W, 10 m.p.h.; thin snow patches. Two observers in 2 parties. Total party-hours, 14 (3 on foot, 11 by car); total party-miles, 70 (2 on foot, 68 by car). Mallard, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 8; Am. Crow, 9; Black-capped Chickadee, 19; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 8; Brown Creeper, 2; Am. Robin, 1; Common Starling, 50; House Sparrow, 153; Red-winged Blackbird, 7; Cardinal, 2; Purple Finch, 2; Common Redpoll, 2; Pine Siskin, 2; Am. Goldfinch, 3; White-winged Crossbill, 11; Slate-colored Junco, 6; Am. Tree Sparrow, 5. **Total,** 23 species; about 309 individuals.—Dorothy Legg, Mary Lupient (compiler).

376. **Minneapolis (west), Minn.** (7½-mile radius centering on Minneapolis Golf Course, extending to junction of Highways 55 and 101, Robbinsdale, Edina, Hopkins, and including Theodore Wirth Park and Roberts Bird Sanctuary; town suburbs 46%, open farmland 24%, deciduous woodlots 17%, lakes, marshes, and creeks 8%, city park and golf course 5%).—Dec. 28; 8 a.m. to 4:30 p.m. Scattered clouds; temp. 11° to 15°; wind NNW, 11 m.p.h.; ½-1-in. snow on ground, portions of most creeks open, small openings in Lakes Calhoun and Harriet. Eleven observers in 6 parties. Total party-hours, 34 (9 on foot, 25 by car); total party-miles, 243 (16 on foot, 227 by car). Mallard, **950**; Black Duck, 16; Am. Golden-eye, 23; Sparrow Hawk, 1; Ring-necked Pheasant, 135; Horned Owl, 1; Barred Owl, 2; Pileated Woodpecker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 23; Blue Jay, 194; Am. Crow, 30; Black-capped Chickadee, 235; White-breasted Nuthatch, 74; Red-breasted Nuthatch, 17; Brown Creeper, 11; Am. Robin, 2; Common Starling, 205; House Sparrow, 1879; Cardinal, 18; Purple Finch, 80; Pine Grosbeak, 8; Common Redpoll, 195; Pine Siskin, 2; Am. Goldfinch, 62; **White-winged Crossbill, 38**; Slate-colored Junco, 157; Am. Tree Sparrow, 50; Song Sparrow, 1. **Total,** 30 species; about 4422 individuals. (Dead Rough-legged Hawk found in count area.)—Jeremy Berman, Sarah Christensen, G. F. Fisher, J. S. Futcher (compiler), Ray Glassel, Burton Guttman, Harding Huber, Norris W. Jones, W. R. Nelson, W. R. Pieper, C. F. Wright (Avifaunal Club).

377. **Northfield, Minn.** (area same as last year).—Dec. 21; 7:45 a.m. to 4:30 p.m. Clear; temp. 28° to 40°; wind variable, 8 m.p.h.; very little snow cover, Cannon River open, other water frozen. Two observers in 1 party. Total party-hours, 8½ (5½ on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). **Great Blue Heron, 1**; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Horned Owl, 1; **Belted Kingfisher, 1**; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; **Red-headed Woodpecker, 1**; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 15; Am. Crow, 15; Black-capped Chickadee, 50; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 10; Brown Creeper, 1; **Am. Robin, 2**; Golden-crowned Kinglet, 1; Common Starling, 25; House Sparrow, 50; Cardinal, 6; Evening Grosbeak, 6; Purple Finch, 1; Common Redpoll, 30; Pine Siskin, 5; Am. Goldfinch, 60; White-winged Crossbill, 40; Slate-colored Junco, 30; Am. Tree Sparrow, 6. **Total,** 31 species; about 396 individuals.—Orwin A. Rustad (compiler), George N. Rysgaard.

378. **Rice Lake National Wildlife Refuge, Minn.** (headquarters west and south to Rice Lake, then west to Fish Trap bridge and return to headquarters, then east to East Lake, north to McGregor, west to Portage Lake road and south to Fish Trap bridge).—Dec. 30; 8:30 a.m. to 5 p.m. Overcast; temp. −8° to 0°; wind 8-15 m.p.h.; 5-in. snow cover. Two observers in 1 party. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 35 (8 on foot, 27 by car). Ring-necked Pheasant, 1; Horned Owl, 2; Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 9; Common Raven, 29; Black-capped Chickadee, 11; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Common Starling, 5; House Sparrow, 89; Evening Grosbeak, 18; Pine Grosbeak, 2; Common Redpoll, 55; Snow Bunting, 16; unidentified, 4. **Total,** 15 species; about 244 individuals.—Lester H. Dundas (compiler), Allen Thornbloom.

379. **St. Paul (north), Minn.** (same area as last year except no canvass of area at Fish Hatchery and Sewage Disposal Plant).—Dec. 28; 8 a.m. to 4:30 p.m. Fair; temp. 12° to 8°; wind NW, 10 m.p.h.; 1-2-in. snow cover, lakes frozen. Thirteen observers in 3-4 parties. Total party-hours, 33 (24 on foot, 9 by car); total party-miles, 75 (16 on foot, 59 by car). Canada Goose, 10; Black Duck, 2; Am. Golden-eye, 2; Red-tailed Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 6; Horned Owl, 1; Barred Owl, 3; **Yellow-shafted Flicker, 1**; Red-headed Woodpecker, 1; **Yellow-bellied Sapsucker, 1** (at feeder 2 weeks); Hairy Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 50; Am. Crow, 42; Black-capped Chickadee, 85; Tufted Titmouse, 2; White-breasted Nuthatch, 14; Red-breasted Nuthatch, **65**; Brown Creeper, 3; Golden-crowned Kinglet, 15; Common Starling, 50; House Sparrow, 95; Red-winged Blackbird, 2; Cardinal, 24; Purple Finch, 15; Pine Grosbeak, 12; Common Redpoll, 10; Am. Goldfinch, 98; Red Crossbill, 1; White-winged Crossbill, 15; Slate-colored Junco, 38; Am. Tree Sparrow, 28. **Total,** 33 species; about 710 individuals.—Brother Anthony, Irene Baligrodzki, Berghild Berns-

ten, John Hall, Mrs. Sylvia Holliday, Frank Kelley, Larry McEvoy, David Merry, Thomas Mich, R. Moosbrugger, Kermit Piper, Brother Pius, A. C. Rosenwinkel (compiler).

380. St. Paul (south), Minn. (Minnesota River from Cedar Ave. Bridge to Fort Snelling, Mississippi River from Holman Field to Grey Cloud Island; areas within ½ mile of north banks of these rivers). —Jan. 1; 8:30 a.m. to 4:30 p.m. Snow flurries, then partly cloudy; temp. 2° to 12°; wind NW, 10 m.p.h.; 1-in. snow on ground. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 50 (5 on foot, 45 by car). Canada Goose, 25; Mallard, 66; Black Duck, 2; Am. Goldeneye, 164; Ring-necked Pheasant, 11; Wilson's Snipe, 2; Barred Owl, 1; Belted Kingfisher, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 13; Blue Jay, 24; Black-capped Chickadee, 29; Tufted Titmouse, 4; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Golden-crowned Kinglet, 5; Gray Shrike, 1; Common Starling, 13; House Sparrow, 625; Cardinal, 8; Purple Finch, 2; Am. Goldfinch, 10; Slate-colored Junco, 19; Am. Tree Sparrow, 54. **Total,** 26 species; about 1109 individuals.—John A. Hall (compiler), Frank Kelley.

381. Sherburn, Minn. (7½-mile radius centering on Main and Manyaska Streets, north to Elm Creek, east and south to Fox Lake; pasture 25%; suburbs 10%, deciduous wood lots 20%, marshes and weed patches 10%, lake shore 10%, misc. 25%).—Dec. 25; 7 a.m. to 5 p.m. Light snow a.m., clear before noon; temp. 39°; wind SW, 5 m.p.h.; very open winter so far. Three observers in 1 party. Total party-hours, 20 (5 on foot, 15 by car). Mallard, 326; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 221; Mourning Dove, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 14; Blue Jay, 19; Am. Crow, 38; Black-capped Chickadee, 19; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 6; Brown Creeper, 1; Common Starling, 56; House Sparrow, 112; Eastern Meadowlark, 4; Red-winged Blackbird, 89; Purple Finch, 16; Common Redpoll, 21; Pine Siskin, 16; Am. Goldfinch, 9; White-winged Crossbill, 11; **Vesper Sparrow, 4**; Slate-colored Junco, 74; Am. Tree Sparrow, 26; **White-throated Sparrow, 1**; Song Sparrow, 14. **Total,** 29 species; about 1129 individuals.—Mrs. L. O. Johnson, Mrs. William R. Luwe, William R. Luwe (compiler).

382. Walker, Minn. (same areas as in 1956 and previous years including Beckers Hilltop Sanctuary). —Dec. 29; 8 a.m. to 4 p.m. Clear; temp. −15° to −2°; wind N, 5 m.p.h.; ground partly covered with snow, lakes frozen, some streams and channels open. Four observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 55 (4 on foot, 51 by car). Goshawk, 1; Bald Eagle, 1; Ruffed Grouse, 5; Pileated Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 9; Blue Jay, 23; Black-capped Chickadee, 35; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 27; Brown Creeper, 3; **Carolina Wren, 1** (regular at feeder); **Am. Robin, 1**; Golden-crowned Kinglet, 17; Gray Shrike, 1; Common Starling, 6; House Sparrow, 23; Evening Grosbeak, **325**; Pine Grosbeak, 29; **Hoary Redpoll, 2**; Common Redpoll, 70; Pine Siskin, 17; White-winged Crossbill, 5; Slate-colored Junco, 6; Am. Tree Sparrow, 1; Snow Bunting, 5. **Total,** 26 species; about 635 individuals.—Mr. and Mrs. Paul Becker, Harold R. Hanson (compiler), Stanton Oman.

383. Whitewater State Park, Minn. (from north end of campgrounds along east bank of Whitewater River to trash pit on Trout Run Creek, north to Old Group Camp then west to the Golf Clubhouse, west side of road towards new group camp to river then along south bank to where Chippawa Trail goes to Stoney Point, east on Chippawa to Headquarters, then north along west edge of campgrounds to starting point).—Dec. 27; 8 a.m. to 4 p.m. Slightly overcast; temp. 20° to 25°; wind SSE, 15-5 m.p.h.; 2-4-in. crusty snow, open water in all creeks. Five observers in 1 party. Total party-hours, 8 (all on foot); total party-miles, 7 (all on foot). Mallard, 2; Red-tailed Hawk, 2; Ruffed Grouse, 7; Killdeer, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 2; Blue Jay, 16; Am. Crow, 1; Black-capped Chickadee, 11; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Winter Wren, 1; Common Starling, 4; House Sparrow, 14; Cardinal, 6; Purple Finch, 1; Common Redpoll, 2; Am. Goldfinch, 21; Slate-colored Junco, 2. **Total,** 23 species; about 120 individuals.—Richard E. Barthelemy (compiler), Bruce Hayward, Mrs. Rose Pendel, Forest Strnad, Ben Thoma.

384. Cedar Falls, Iowa (Snag Creek, Black Hawk County Park, Beaver Creek, Union Bridge, Wyth Park, Hartman Reserve; riverbottom forest 60%, upland forest 5%, savannah 10%, fields and prairies 25%).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 13° to 25°; no wind; 1-in. hard snow on ground, ponds frozen, rivers and creeks 35% open. Eleven observers in 3 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 143 (33 on foot, 110 by car). Mallard, 6; Goshawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 3; Mourning Dove, 3; Horned Owl, 5; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 13; Hairy Woodpecker, 7; Downy Woodpecker, 45; Horned Lark, 1; Blue Jay, 24; Am. Crow, 178; Black-capped Chickadee, 176; Tufted Titmouse, 21; White-breasted Nuthatch, 73; Red-breasted Nuthatch, 4; Brown Creeper, 12; Brown Thrasher, 2; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Common Starling, 227; House Sparrow, 482; Eastern Meadowlark, 1; Red-winged Blackbird, 2; Purple Grackle, 1; Cardinal, 83; Purple Finch, 2; Am. Goldfinch, 74; Slate-colored Junco, 187; Am. Tree Spar-

row, 37; Song Sparrow, 7. **Total,** 38 species; about 1703 individuals.—Eleanor Eifert, Helen Glasener, Martin L. Grant (compiler), Russell Hays, Dina Madsen, Eleanor O'Connell, John O'Connell, Beulah Rugg, Maxine Schwanke, Florence Spring, Doris White.

385. Clinton, Iowa (same area as last year).—Dec. 28; 7 a.m. to 4:30 p.m. Clear; temp. 28° to 40°; wind N to NW, 12-18 m.p.h.; ground bare, river open. Five observers in 2 parties. Total party-hours, 19 (14 on foot, 5 by car); total party-miles, 112 (2 on foot, 110 by car). Canada Goose, 2; Snow Goose, 42; Blue Goose, 2; Mallard, 452; Black Duck, 5; Pintail, 1; Am. Golden-eye, 154; Am. Merganser, 66; Cooper's Hawk, 1; Red-tailed Hawk, 27; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, **50**; Marsh Hawk, 5; Bob-white, 1; Herring Gull, 17; Ring-billed Gull, 536; Mourning Dove, 4; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 12; Hairy Woodpecker, 10; Downy Woodpecker, 9; Blue Jay, 42; Am. Crow, 27; Black-capped Chickadee, 17; Tufted Titmouse, 15; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 6; Winter Wren, 1; Carolina Wren, 1; Golden-crowned Kinglet, 15; Common Starling, 164; House Sparrow, 199; meadowlark (sp.), 1; Red-winged Blackbird, 2; Rusty Blackbird, 1; Cardinal, 70; Purple Finch, 2; Pine Siskin, 35; Am. Goldfinch, 46; Slate-colored Junco, 160; Am. Tree Sparrow, 395; Swamp Sparrow, 3; Song Sparrow, 10. **Total,** 48 species; about 2636 individuals. (Seen in area count period: Wood Duck, Lesser Scaup, White-winged Crossbill, Red Crossbill.)—Lewis Blevins, James Lewis, Fred Lesher, Maurice Lesher, Peter C. Peterson, Jr. (compiler).

386. Davenport, Iowa (same area as last year).—Dec. 29; 7 a.m. to 5 p.m. Overcast, snow flurries p.m.; temp. 21° to 31°; wind NE, 9-11 m.p.h.; ground bare, rivers open. Forty-three observers in 20 parties. Total party-hours, 106 (46 on foot, 52 by car, 8 misc.); total party-miles, 513 (71 on foot, 442 by car). Great Blue Heron, 2; Canada Goose, 25; Mallard, 47; Black Duck, 3; Pintail, 1; Redhead, 1; Ring-necked Duck, 4; Canvas-back, 1; Lesser Scaup, 20; Am. Golden-eye, 170; Bufflehead, 10; Ruddy Duck, 1; Am. Merganser, 283; Cooper's Hawk, 3; Red-tailed Hawk, 47; Red-shouldered Hawk, 17; Rough-legged Hawk, 4; Bald Eagle, 31; Marsh Hawk, 2; **Peregrine Falcon, 1** (R.G.); **Pigeon Hawk, 1** (L.B.); Sparrow Hawk, 9; Bob-white, 31; Ring-necked Pheasant, 26; Am. Coot, 3; Killdeer, 2; **Glaucous Gull, 1** (J.L., P.P., R.T.); Herring Gull, 1202; Ring-billed Gull, 248; Mourning Dove, 6; Screech Owl, 7; Horned Owl, 3; Barred Owl, 7; Long-eared Owl, 6; Belted Kingfisher, 7; Yellow-shafted Flicker, 27; Red-bellied Woodpecker, 57; Red-headed Woodpecker, 8; Hairy Woodpecker, 45; Downy Woodpecker, 173; Horned Lark, 61; Blue Jay, 123; Am. Crow, 450; Black-capped Chickadee, 254; Tufted Titmouse, 173; White-breasted Nuthatch, 108; Red-breasted Nuthatch, **15**; Brown Creeper, 12; Winter Wren, 1; Carolina Wren, 3; Brown Thrasher, 1; Am. Robin, 17; **Hermit Thrush, 1** (E.F.); Eastern Bluebird, 1; Golden-crowned Kinglet, 23; **Ruby-crowned Kinglet, 1** (L.B.); Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 3529; House Sparrow, 3176; Western Meadowlark, 5; meadowlark (sp.), **59**; Red-winged Blackbird, 84; Purple Grackle, 29; Brown-headed Cowbird, 1; Cardinal, 202; Purple Finch, 4; Pine Siskin, **98**; Am. Goldfinch, 601; White-winged Crossbill, **38**; Slate-colored Junco, 675; Oregon Junco, 6; Am. Tree Sparrow, 557; White-throated Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 64; Lapland Longspur, 6. **Total,** 77 species; about 12,926 individuals. (Seen in area count period: Goshawk, Short-eared Owl, Field Sparrow.)—Lewis Blevins, Mr. and Mrs. Ray Cole, Dorothy Cowley, Mr. and Mrs. Dau, Dale Dickinson (compiler), Elton Fawks, Mr. and Mrs. Floyd Gold, Jeanette Graham, Richard Greer, Ted Greer, Ted Greer, Jr., Jim Hanssen, Norwood Hazard, Mr. and Mrs. James Hodges, Dave Krause, Jim Krause, Mary Krause, Dr. and Mrs. Leonard, Jim Lewis, Dick Lorenz, Mrs. Frank Marquis, Alice Mattson, Lucille Miner, Miriam Miner, Jerry McConoughey, Ed Meyer, Mr. and Mrs. Pete Petersen, Peter Petersen, Jr., Don Price, Joe Rowley, Tom Rowley, Mrs. Blanche Sandburg, Dennis Sheets, Kent Stewart, Earl Tomlinson, Robert Trial, Fred Whitebook.

387. Decorah, Iowa (7½-mile radius centering at NE corner Sec. 24-99-8, including Upper Iowa River, Canoe and Bear Creeks, Twin Springs, Decorah, Highlandville; river and creek bottoms 40%, open fields 40%, brush and timber 15%, city 5%).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 21° to 29°; wind S to SE, 1-10 m.p.h.; 3-6-in. snow, rivers ½ frozen, fresh-water creeks open. Nineteen observers in 4 parties. Total party-hours, 29 (23 on foot, 6 by car); total party-miles, 201 (24 on foot, 177 by car). Red-tailed Hawk, 20; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Ruffed Grouse, 4; Bob-white, 14; Ring-necked Pheasant, 26; Wilson's Snipe, 1; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 34; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 12; Blue Jay, 82; Am. Crow, 121; Black-capped Chickadee, 52; Tufted Titmouse, 33; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 10; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 1; Common Starling, 99; House Sparrow, 195; Cardinal, 115; Purple Finch, 6; Am. Goldfinch, 12; White-winged Crossbill, 1; Slate-colored Junco, 54; Am. Tree Sparrow, 17; Field Sparrow, 8; Song Sparrow, 10. **Total,** 36 species; about 1017 individuals. [Wood Pewee reported without details and not even underlined as unusual was removed from list—Ed.]—Marietta Bauder, Steven Belgum, Billy Berg, Maybelle Brown, Andy Daubendiek, Bob Daubendiek, Mrs. Burt Henning, Burt Henning, Dale Henning, Darrell Henning, Sherman A. Hoslett (compiler), Mrs. Bob Hunt, Mike Jensen, G. Knudson, James

Lange, Clarence Montague, Robert Pfister, Mrs. Bill Walker, Lynn Walker, Jack Wheeler.

388. Des Moines, Iowa (same areas as last year; deciduous woodland 65%, open fields 25%, water and riverside 7%, coniferous woodland 3%).—Dec. 21; 7:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 32° to 54°; wind NW to SE, 7-10 m.p.h.; no snow. Twenty observers in 4 parties. Total party-hours, 33 (24 on foot, 9 by car); total party-miles, 153 (22 on foot, 131 by car). Pied-billed Grebe, 1; Mallard, 2000; Black Duck, 6; Pintail, 20; Lesser Scaup, 1; Am. Merganser, 7; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 12; Ring-necked Pheasant, 8; Killdeer, 1; Herring Gull, 10; Mourning Dove, 51; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 28; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 58; Horned Lark, 1; Blue Jay, 34; Am. Crow, 54; Black-capped Chickadee, 132; Tufted Titmouse, 52; White-breasted Nuthatch, 52; Red-breasted Nuthatch, 11; Brown Creeper, 4; Carolina Wren, 2; Am. Robin, 10; Eastern Bluebird, 2; Golden-crowned Kinglet, 6; **Bohemian Waxwing, 1** (carefully studied at 10 yards); Cedar Waxwing, 47; Common Starling, 225; House Sparrow, 300; Western Meadowlark, 8; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 107; Purple Finch, 5; Common Redpoll, 1; Am. Goldfinch, 50; **White-winged Crossbill, 4**; Spotted Towhee, 1; Slate-colored Junco, 176; Am. Tree Sparrow, 84; Harris's Sparrow, 1; Song Sparrow, 14. **Total,** 52 species; about 3640 individuals. (Species seen count period: Ring-billed Gull, Saw-whet Owl, Evening Grosbeak, Pine Siskin.)—Mrs. Ruth Binsfeld, Mrs. Gladys Black, Mrs. Dwight Brooke, Carl Brown, Mr. and Mrs. Woodward H. Brown, Ruth Dallinger, Mrs. Lester Haskell, Joe Kennedy, Phillip Moulton, Mrs. Gladys Nicholson, Mrs. Russell Nicholson, Robert Norton, Dr. and Mrs. Harold R. Peasley, Oscar Richter, Irene Smith, Bruce Stiles, Mary Ellen Warters, Lynn Willcockson (compiler).

389. Dubuque, Iowa, (Linwood and Mt. Calvary Cemeteries, Eagle Point Park, City Island, Dubuque's Grave Area, Little Maquoketa River, Mississippi River sloughs, Sinope Creek area in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 21; 7:30 a.m. to 4:30 p.m. Clear; temp. 25° to 42°; wind N. 0-8 m.p.h.; 2-in. day-old snow, river open below dam, also several large areas above dam. Eight observers in 3 parties. Total party-hours, 18 (16 on foot, 2 by car); total party-miles, 39 (12 on foot, 27 by car). Mallard, 2; Am. Golden-eye, 2; White-winged Scoter, 1; Am. Merganser, 26; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 4; Herring Gull, 56; Barred Owl, 2; Belted Kingfisher, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 11; Horned Lark, 1; Blue Jay, 38; Am. Crow, 19; Black-capped Chickadee, 18; Tufted Titmouse, 10; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 1; Brown Creeper, 4; Golden-crowned Kinglet, 10; Gray Shrike, 1; Common Starling, 97; House Sparrow, 135; Purple Grackle, 1; Cardinal, 39; Purple Finch, 3; Pine Grosbeak, 6; Common Redpoll, 20; Am. Goldfinch, 55; White-winged Crossbill, 12; Slate-colored Junco, 152; Am. Tree Sparrow, 114; Song Sparrow, 7. **Total,** 37 species; about 906 individuals.—Frieda M. Crossley, George E. Crossley (compiler), James Dockal, Ed Heuser, Clifford O. Johnson, Ival Schuster, Phyllis Shultz (Dubuque Audubon Club).

390. Guernsey, Iowa (7-mile radius from Guernsey).—Dec. 27; 7:30 a.m. to 4:30 p.m. [Clear or snowing?—Ed.]; temp. 10° to 23°; wind N, 10-30 m.p.h. One observer. Total hours, 9 (4 on foot, 5 by car); total miles, 13 (3 on foot, 10 by car). Rough-legged Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 3; Bob-white, 30; Ring-necked Pheasant, 23; Am. Woodcock, 1; Mourning Dove, 14; Barn Owl, 4; Screech Owl, 1; Horned Owl, 1; Blue Jay, 16; Am. Crow, 7; Cedar Waxwing, 1; Common Starling, 7; Cardinal, 5; Field Sparrow, 36; White-throated Sparrow, 150; Fox Sparrow, 19. **Total,** 18 species; about 320 individuals.—Donald Jo Schmidt.

391. Iowa City, Iowa (same area as previous years; open farmlands 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 20° to 36°; wind SW, 0-10 m.p.h.; ground bare, river partly frozen. Six observers in 2 parties. Total party-hours, 18 (9 on foot, 9 by car); total party-miles, 70 (10 on foot, 60 by car). Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 11; Mourning Dove, 13; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 14; Short-eared Owl, 4; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 17; Horned Lark, 2; Blue Jay, 10; Am. Crow, 32; Black-capped Chickadee, 54; Tufted Titmouse, 21; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 6; Brown Creeper, 1; Am. Robin, 2; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 234; House Sparrow, 320; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 37; Purple Finch, 13; Pine Siskin, 5; Am. Goldfinch, 10; **White-winged Crossbill, 8**; Slate-colored Junco, 144; Am. Tree Sparrow, 390; White-crowned Sparrow, 5; Song Sparrow, 1. **Total,** 42 species; about 1429 individuals. (Seen count week: Mockingbird, Lapland Longspur, Snow Bunting.)—J. H. Decker, F. W. Kent (compiler), T. H. and Mrs. Kent, Dr. and Mrs. M. C. Pepernik.

392. Mount Vernon, Iowa (same area as last year).—Dec. 24; 7:33 a.m. to 4:30 p.m. Dull sun; temp. 30° to 41°; wind SSE, 5-15 m.p.h.; no snow on ground, no ice in channel of Red Cedar River. Two observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 50 (12

on foot, 38 by car). Red-tailed Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 8; Mourning Dove, 27; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 13; Blue Jay, 14; Am. Crow, 16; Black-capped Chickadee, 19; Tufted Titmouse, 11; White-breasted Nuthatch, 5; Winter Wren, 1; Carolina Wren, 2; Common Starling, 24; House Sparrow, 69; meadowlark (sp.), 1; Cardinal, 15; Am. Goldfinch, 1; Slate-colored Junco, 28; Am. Tree Sparrow, 26; Song Sparrow, 2. **Total,** 27 species; about 307 individuals.—J. David Ennis, J. Harold Ennis (compiler).

393. **Shenandoah, Iowa** (7½-mile radius centering at Farragut; river woods 20%, open woods, fields, orchards 30%, open farmland and prairie 50%).—Jan. 1; 8 a.m. to 6 p.m.; temp. –6° to 14°; wind W, 0-3 m.p.h.; 4½-in. snow, streams frozen, rivers and ponds partly open. Eight observers in 3 parties. Total party-hours, 23 (10 on foot, 13 by car); total party-miles, 212 (9 on foot, 203 by car). Mallard, 1003; Blue-winged Teal, 251; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 11; Mourning Dove, 193; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 21; Horned Lark, 119; Blue Jay, 24; Am. Crow, 38; Black-capped Chickadee, 36; Tufted Titmouse, 2; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 4; Brown Creeper, 3; Golden-crowned Kinglet, 3; Loggerhead Shrike, 7; Common Starling, 113; House Sparrow, 750; Eastern Meadowlark, 46; Western Meadowlark, 105; Red-winged Blackbird, 21; Rusty Blackbird, 2; Purple Grackle, 1; Cardinal, 37; Common Redpoll, 1; Am. Goldfinch, 71; Slate-colored Junco, 603; Am. Tree Sparrow, 962; Harris's Sparrow, 34; Song Sparrow, 83. **Total,** 35 species; about 4578 individuals.—Mrs. Robert I. Bordner, Francis M. Braley, Mrs. Francis M. Braley, Nancy Collins, William H. Collins, Mrs. William H. Collins (compiler), Edward C. Vaughn, Mrs. Edward C. Vaughn.

394. **Sioux City, Iowa** (War Eagle's Monument woods, Riverside woods, Gordon Drive, Highway 12 along Big Sioux River, Stone Park, Logan Park, Graceland Park, Memorial Park, Floyd Park Cemetery, Morningside Nurseries, Half Moon Lake area). —Dec. 29; 8 a.m. to 5 p.m. Clear; temp. 11° to 23°; wind SE, 10 m.p.h.; ground clear, lakes and streams frozen, Big Sioux River open from Missouri River to Power Plant. Eleven observers in 6 parties. Total party-hours, 38 (13 on foot, 25 by car); total party-miles, 137 (12 on foot, 125 by car). Mallard, 200; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 10; Ring-necked Pheasant, 4; Mourning Dove, 2; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 19; Horned Lark, 50; Blue Jay, 10; Am. Crow, 39; Black-capped Chickadee, 80; **Tufted Titmouse, 1**; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 20; Brown Creeper, 6; Winter Wren, 1; Am. Robin, 4; Eastern Bluebird, 6; Golden-crowned Kinglet, 8; Common Starling, 89; House Sparrow, 850; Western Meadowlark, 30; Cardinal, 14; Purple Finch, 4; **Common Redpoll, 4**; Pine Siskin, 14; Am. Goldfinch, 200; **White-winged Crossbill, 2**; Slate-colored Junco, 114; Am. Tree Sparrow, 77; Harris's Sparrow, 6. **Total,** 38 species; about 1910 individuals.—Mrs. Helen Barrett, Mark Jones, Mr. and Mrs. Darell Hanna, Mr. and Mrs. John Lueshen, W. R. Montgomery, Robert Nickolson (compiler), Dr. and Mrs. John Schott, A. C. Starry.

395. **Tripoli, Iowa** (Sweet Marsh Refuge, Wapsipinicon River southeast into Black Hawk Co.; farmland 50%, deciduous woodland 50%).—Jan. 1; 7 a.m. to 4 p.m. Clear early, clouds ½ day, then snow; temp. –10° to 15°; wind NW, 0-10 m.p.h.; light drifted snow over crusty snow, water running in Plum Creek and Wapsipinicon River. Seven observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 97 (12 on foot, 85 by car). **Goshawk, 3**; Red-tailed Hawk, 2; Rough-legged Hawk, 11; Ring-necked Pheasant, 13; Mourning Dove, 16; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 16; Horned Lark, 220; Blue Jay, 17; Am. Crow, 142; Black-capped Chickadee, 58; Tufted Titmouse, 1; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 2; Common Starling, 64; House Sparrow, 421; Eastern Meadowlark, 15; Purple Grackle, 1; Cardinal, 9; Purple Finch, 8; Common Redpoll, 21; Pine Siskin, 21; Am. Goldfinch, 31; Slate-colored Junco, 12; Am. Tree Sparrow, 86; Song Sparrow, 1; **Total,** 33 species; about 1233 individuals.—Myrle M. Burk (compiler), Martin L. Grant, Russel Hays, Rodger Moon, Thomas Moon, Ronald A. Ryder, Florence Spring (Waterloo Audubon Society).

396. **Union Slough National Wildlife Refuge, Iowa** (2077-acre waterfowl refuge 4 miles west and 2 miles north of Burt; marsh and water 49%, upland grasslands and ash–elder–willow thickets 41%, cultivated croplands 10%).—Dec. 30; 8:20 a.m. to 5:30 p.m. Partly cloudy; temp. 8° to 23°; wind N, 0-5 m.p.h.; 2-in. snow, water frozen except in tile drain outlets. Four observers in 1 party. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 16 (6 on foot, 10 by car). Mallard, 70; Rough-legged Hawk, 1; Ring-necked Pheasant, **1108**; Mourning Dove, 2; Horned Owl, 2; Yellow-shafted Flicker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 2; Am. Crow, 16; Black-capped Chickadee, 10; White-breasted Nuthatch, 8; Western Meadowlark, 3; Red-winged Blackbird, 8; Rusty Blackbird, 8; Common Redpoll, 62; Slate-colored Junco, 30; Am. Tree Sparrow, 75; Song Sparrow, 1. **Total,** 19 species; about 1431 individuals. (Observed count week: Screech Owl.)—Harold H. Burgess (compiler), Mrs. Harold Burgess, Tommy Burgess, Betty Taylor.

397. Webster City, Iowa (7½-mile radius centering on Des Moines and 2nd. Sts., including Graceland Cemetery, Kendall Young Park, areas along Boone River; woodland edges and brushy areas 35%, deciduous woodland 30%, open farmland and fields 19%, mixed woods 16%).—Dec. 27; 7:30 a.m. and 4:30 p.m. Partly cloudy to cloudy; temp. 30° to 41°; wind SW to NW, 2-10 m.p.h.; 1-in. melting snow on ground, river and streams 75% open. Two observers in 2 parties. Total party-hours, 12 (10 on foot, 2 by car); total party-miles, 58 (10 on foot, 48 by car). Red-tailed Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Mourning Dove, 8; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 8; Am. Crow, 19; Black-capped Chickadee, 29; Tufted Titmouse, 2; White-breasted Nuthatch, 16; Brown Creeper, 3; Am. Robin, 2; Cedar Waxwing, 13; Common Starling, 113; House Sparrow, 232; Cardinal, 25; **Evening Grosbeak, 1**; **Purple Finch, 20**; Common Redpoll, 1; **Pine Siskin, 9**; Am. Goldfinch, 11; Slate-colored Junco, 81; Am. Tree Sparrow, 2 (record low); Song Sparrow, 1. **Total,** 29 species; about 625 individuals. (Seen count period: Red-breasted Nuthatch.)—Dennis L. Carter (compiler), Heber P. Johnson.

398. Kansas City, Mo.–Kans. (7½-mile radius centering in Argentine, including Quivira Lake, Wyandotte County Lake, northwest corner of Swope Park, areas along Missouri River; open fields 25%, deciduous wooded lakes 30%; riverbottoms 25%, deciduous wooded park 20%).—Dec. 29; 5:30 a.m. to 5 p.m. Cloudy, then clearing; temp. 38° to 50°; wind S to SE, 5-15 m.p.h.; ground clear, water open. Twenty observers in 7 parties. Total party-hours, 72 (43 on foot, 29 by car); total party-miles, 228 (38 on foot, 190 by car). Pied-billed Grebe, 2; Canada Goose, 145; Mallard, 7109; Black Duck, 1; Gadwall, 7; Am. Widgeon, 4; Pintail, 8; Redhead, 3; Am. Golden-eye, 3; Buffle-head, 3; Am. Merganser, 278; Cooper's Hawk, 1; Red-tailed Hawk, 18; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Bob-white, 37; Mourning Dove, 4; Screech Owl, 1; Horned Owl, 8; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 65; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 60; Horned Lark, 7; Blue Jay, 115; Am. Crow, 1248; Black-capped Chickadee, 186; Tufted Titmouse, 132; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 10; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 36; Long-billed Marsh Wren, 3; Mockingbird, 4; Am. Robin, 119; Eastern Bluebird, 40; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 4; Common Starling, 6442; Myrtle Warbler, 5; House Sparrow, 1098; Eastern Meadowlark, 23; Western Meadowlark, 1; Red-winged Blackbird, 5; Cardinal, 354; Purple Finch, **86**; **Common Redpoll, 1** (carefully studied); Pine Siskin, 2; Am. Goldfinch, 224; [Eastern Towhee, 5 + Spotted Towhee, 2]; Savannah Sparrow, 1; Slate-colored Junco, 411; Oregon Junco, 9; Am. Tree Sparrow, 161; Field Sparrow, 5; Harris's Sparrow, 44; White-crowned Sparrow, 2; White-throated Sparrow, 2; Fox Sparrow, 4; Lincoln's Sparrow, 2; Song Sparrow, 83. **Total,** 68 species (1 additional subspecies); about 18,733 individuals. (Seen in area count period: Lesser Scaup, Saw-whet Owl, Cedar Waxwing, Purple Grackle, Brown-headed Cowbird.)—Mr. and Mrs. John Bart, Mr. and Mrs. A. D. Cole, Richard Dawson, Carter Hamilton, Rilla Hammat, David Johnson, Mr. and Mrs. James Myers, Esther O'Connor, Ronald Pine, Ted Pucci (compiler), Andrew Randolph, Dean Rising, James Rising, Curtis Stout, Donald Stout, Bernice Tatum, Hester Wilson (Burroughs Nature Club).

399. Portage Des Sioux, Mo. (along Mississippi River within 7½-mile radius of Portage Des Sioux, all on Mo. side of river, approximately same terrain as last year; bottomlands and sloughs 71%, untilled weed-grown fields 3%, tilled fields 23%, shallow marshes 3%).—Dec. 21; 8:15 a.m. to 4:15 p.m. Clear; temp. 36° to 54°; wind WSW, 5-6 m.p.h.; water open, ground unfrozen. Twelve observers in 1 party. Total party-hours, 8 (7¼ on foot, ¾ by car); total party-miles, 16 (4 on foot, 12 by car). Great Blue Heron, 1; Snow Goose, 334; Blue Goose, 1138; Mallard, 5086; Black Duck, 1; Ring-necked Duck, 2; Canvas-back, 137; Lesser Scaup, 53; Am. Golden-eye, 8; Ruddy Duck, 17; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 2; Ring-billed Gull, 11; Mourning Dove, 3; Short-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 63; Pileated Woodpecker, 4; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 39; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 67; Blue Jay, 7; Am. Crow, 89; Black-capped Chickadee, 11; Tufted Titmouse, 18; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 4; Carolina Wren, 5; Mockingbird, 2; Am. Robin, 47; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 6; Common Starling, 2500; Myrtle Warbler, 1; House Sparrow, 36; European Tree Sparrow, 6; Eastern Meadowlark, 19; Western Meadowlark, 1; Red-winged Blackbird, 312; Purple Grackle, **2300**; Brown-headed Cowbird, 43; Cardinal, 17; Purple Finch, 12; Am. Goldfinch, 14; Slate-colored Junco, 21; Am. Tree Sparrow, 28; Swamp Sparrow, 4; Song Sparrow, 8. **Total,** 57 species; about 12,532 individuals.—J. Lee Bess, Alberta Bolinger, R. J. Cardoret, George Cameron, J. Earl Comfort (compiler), Steve Hanselmann, Mr. and Mrs. Earl H. Hath, Stoner Haven, John P. McDonald, Sarah J. Springer, Dorothea Vogel (St. Louis Audubon Society).

400. Springfield, Mo. (an area of approximately ½ mile north, 1½ miles east, 2 miles south, ¼ mile west of dam of new Lake Springfield; open water 30%, marshes 20%, open fields 20%, brushy roadsides 15%, heavily wooded slopes 15%).—Dec. 29; 8 a.m. to 5 p.m. Light clouds; temp. 30° to 42°; wind SW, 2-10 m.p.h.; no snow, some ice on marshes.

Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 12 (2 on foot, 10 by car). Great Blue Heron, 1; Mallard, 140; Gadwall, 6; Pintail, 1; Green-winged Teal, 4; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 2; Killdeer, 1; Mourning Dove, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 17; Horned Lark, 2; Blue Jay, 23; Am. Crow, 32; Carolina Chickadee, 18; Tufted Titmouse, 16; Carolina Wren, 5; Mockingbird, 5; Eastern Bluebird, 2; Water Pipit, 28; Loggerhead Shrike, 1; Common Starling, 200; Myrtle Warbler, 1; House Sparrow, 200; Eastern Meadowlark, 13; Red-winged Blackbird, 37; Rusty Blackbird, 78; Brown-headed Cowbird, 2; Cardinal, 62; Am. Goldfinch, 18; Slate-colored Junco, 82; Am. Tree Sparrow, 57; Field Sparrow, 4; Harris's Sparrow, 6; White-crowned Sparrow, 8; Fox Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 87. **Total,** 45 species; about 1177 individuals. (In area count period: Pied-billed Grebe, Canada Goose, Ring-necked Duck.)—Christine Fay, N. Irving Fay (compiler).

401. Weldon Springs, Mo. (August A. Busch Wildlife Management Area in St. Charles County, same terrain as in previous years).—Dec. 29; 8 a.m. to 5 p.m. Cloudy; temp. 30° to 47°; wind S, 10 m.p.h.; ponds and creeks open. Twenty-four observers in 12 parties. Total party-hours, 57 (50 on foot, 7 by car); total party-miles, 84 (77 on foot, 7 by car). Great Blue Heron, 1; Canada Goose, 251; Mallard, 231; Black Duck, 1; Gadwall, 7; Am. Widgeon, 26; Pintail, 4; Green-winged Teal, 1; Wood Duck, 25; Lesser Scaup, 17; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 53; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 1; Bob-white, 257; Ring-necked Pheasant, 1; Killdeer, 4; Ring-billed Gull, 1; Mourning Dove, 128; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 142; Pileated Woodpecker, 12; Red-bellied Woodpecker, **238**; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 117; Horned Lark, 16; Blue Jay, 335; Am. Crow, 350; Black-capped Chickadee, 168; Tufted Titmouse, 209; White-breasted Nuthatch, 54; Brown Creeper, 5; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 68; Mockingbird, 100; Am. Robin, 465; Eastern Bluebird, 204; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 1; Cedar Waxwing, 361; Gray Shrike, 3; Common Starling, 335; Myrtle Warbler, 1; House Sparrow, 320; Eastern Meadowlark, 176; Red-winged Blackbird, 41; Purple Grackle, 14; Cardinal, 524; Purple Finch, 88; Am. Goldfinch, 714; Eastern Towhee, 14 (Spotted Towhee, 1); Leconte's Sparrow, 1; Slate-colored Junco, 1714; Oregon Junco, 4; Am. Tree Sparrow, **2090**; Field Sparrow, 12; Harris's Sparrow, 1; White-crowned Sparrow, 69 (Gambel's, 1); White-throated Sparrow, 26; Fox Sparrow, 25; Swamp Sparrow, 65; Song Sparrow, 120. **Total,** 71 species (2 additional subspecies); about 10,262 individuals. (Seen in area count period: Wilson's Snipe.)—Dick Anderson, Mitzi Anderson, Alberta Bolinger, J. Earl Comfort, James F. Comfort (compiler), Gerry Giessow, Dick Grossenheider, Steve Hanselmann, Stoner Haven, Earl Hath, Channing Horner, Susan Koelle, Karen Kratonville, Larry Licht, Jack McDonald, Marshall Magner, Joel Massie, Julian Neill, Fred Springer, Sally Springer, Harold Stiles, Dorothea Vogel, Charlotte Vogt, Bruce Wetteroth (Webster Groves Nature Study Society).

402. El Dorado, Ark. (semi-circular area, 12-mile diameter parallel to and 2 miles east of U. S. 167, including Calion Lake, Calion, Norphlet; lake, pond and river edge 35%, open fields and pastures 30%, bottomland oak–pine woodland 20%, upland pine–oak woodland 15%).—Dec. 27; 6:30 a.m. to 5 p.m. Cloudy and rain after 10 a.m.; temp. 43° to 47°; wind S, 4-9 m.p.h.; bottoms very wet, Calion Lake level normal, bird population below normal due to earth hauling and levee construction. Twelve observers in 3 parties. Total party-hours, 28 (15 on foot, 13 by car); total party-miles, 155 (15 on foot, 140 by car). Pied-billed Grebe, 7; Great Blue Heron, 4; Turkey Vulture, 6; Black Vulture, 6; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Sparrow Hawk, 1; Bob-white, 2; Killdeer, 3; Mourning Dove, 18; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 56; Pileated Woodpecker, 11; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 7; Eastern Phoebe, 5; Blue Jay, 116; Am. Crow, 2; Carolina Chickadee, 34; Tufted Titmouse, 30; White-breasted Nuthatch, 2; Carolina Wren, 19; Mockingbird, 53; Brown Thrasher, 17; Am. Robin, 218; Hermit Thrush, **18**; Eastern Bluebird, 41; Ruby-crowned Kinglet, 52; Cedar Waxwing, 171; Loggerhead Shrike, 15; Common Starling, 11; Myrtle Warbler, 85; Pine Warbler, 72; House Sparrow, 39; Eastern Meadowlark, 96; Red-winged Blackbird, 21; Rusty Blackbird, 115; Purple Grackle, 22; Brown-headed Cowbird, 45; Cardinal, 93; Purple Finch, 3; Am. Goldfinch, 126; Eastern Towhee, 35; Savannah Sparrow, 5; Leconte's Sparrow, 1; Slate-colored Junco, 265; Chipping Sparrow, 9; Field Sparrow, 57; White-throated Sparrow, 212; Fox Sparrow, 5; Lincoln's Sparrow, 1; Swamp Sparrow, 26; Song Sparrow, 56. **Total,** 56 species; about 2357 individuals. (Seen in area count period: Hairy Woodpecker, Brown-headed Nuthatch, Brown Creeper.)—Carl R. Amason, Lois M. Giles, W. Lynne Goodwin, Richard Haley, Josephine Hanna, Richard Harris, George Hoffman, Arnold J. Hoiberg (compiler), Jay Hoiberg, Svend Hoiberg, Hank Shugart, Leona C. Spence.

403. Fort Smith, Ark. (7½-mile radius centering on Dodson and S. Greenwood Ave., as in previous years except Mt. Vista dropped, Arkoma area added; upland fields and airport 4%, bottomland deciduous woods 34%, upland deciduous woods 32%, river-bank and bottoms 30%).—Dec. 29; 6 a.m. to 9 p.m. Clear; temp. 30° to 51°; wind W, average 5 m.p.h. Eighteen observers in 5 parties. Total

party-hours, 49 (37 on foot, 12 by car); total party-miles, 244 (36 on foot, 208 by car). Pied-billed Grebe, 2; Great Blue Heron, 11; Mallard, 102; Pintail, 1; Green-winged Teal, 6; **Blue-winged Teal, 1** (drake—W.B.); **Lesser Scaup, 1**; Cooper's Hawk, 4; Red-tailed Hawk, 25; Marsh Hawk, 7; Sparrow Hawk, 18; Bob-white, 48; Killdeer, 71; Wilson's Snipe, 4; **Least Sandpiper, 8**; Mourning Dove, 26; Road-runner, 2; **Barn Owl, 1**; Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 70; Pileated Woodpecker, 4; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 10; Downy Woodpecker, 25; Horned Lark, 190; Blue Jay, 177; Am. Crow, **3407**; Fish Crow, **552**; Carolina Chickadee, 89; Tufted Titmouse, 98; White-breasted Nuthatch, 11; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 18; Mockingbird, 82; Brown Thrasher, 11; Am. Robin, 20; Eastern Bluebird, 66; Golden-crowned Kinglet, 3; Cedar Waxwing, 2; Loggerhead Shrike, 14; Common Starling, 2124; Myrtle Warbler, 2; House Sparrow, 165; Eastern Meadowlark, 515; Western Meadowlark, 2; Red-winged Blackbird, 265; Rusty Blackbird, 2; Brewer's Blackbird, 13; Purple Grackle, 460; Brown-headed Cowbird, 3; blackbirds (sp.), 3825; Cardinal, 195; Purple Finch, 100; Am. Goldfinch, 27; Eastern Towhee, 5; Savannah Sparrow, 33; Leconte's Sparrow, 7; Slate-colored Junco, 35; Field Sparrow, 40; Harris's Sparrow, 5; White-crowned Sparrow, 1; White-throated Sparrow, 305; Fox Sparrow, 8; Lincoln's Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 81; Lapland Longspur, 39; Smith's Longspur, 86. **Total,** 72 species; about 13,587 individuals. (Seen count period: Hermit Thrush.)—Ruth Armstrong, Bill Beall, Tommy Bjorkman, Bobby Cogburn, Mr. and Mrs. R. Corbin, Ronnie Embry, Jim Fant, Ralph Fox, Carol Garner, Elizabeth Killfaile, Barbara Lane, Jim S. Mulhollan (compiler), Dillwyn Paxson, Johnny Price, Mr. and Mrs. G. A. Springer, Bill Stewart.

404. Little Rock, Ark. (same area as last 3 years).—Dec. 28; 7:15 a.m. to 5:50 p.m. Clear; temp. 38° to 52°; wind WNW, 5-10 m.p.h. Fifteen observers in 7 parties. Total party-hours, 45 (42 on foot, 3 by car); total party-miles, 99 (27 on foot, 72 by car). Wood Duck, 2; Lesser Scaup, 1; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 16; Killdeer, 5; Wilson's Snipe, 1; Mourning Dove, 5; Screech Owl, 1; Barred Owl, 2; Yellow-shafted Flicker, 40; Pileated Woodpecker, 7; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 8; Downy Woodpecker, 29; Blue Jay, 115; Am. Crow, 28; Carolina Chickadee, 95; Tufted Titmouse, 57; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 4; Brown Creeper, 5; Winter Wren, 5; Bewick's Wren, 5; Carolina Wren, 45; Mockingbird, 45; Brown Thrasher, 5; Am. Robin, 48; Hermit Thrush, 11; Eastern Bluebird, 46; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 12; Cedar Waxwing, 32; Loggerhead Shrike, 7; Common Starling, 304; **Orange-crowned Warbler, 1** (carefully identified); Myrtle Warbler, 14; Pine Warbler, 19; House Sparrow, 1225; Eastern Meadowlark, 90; Red-winged Blackbird, 175; Purple Grackle, 11,305; Brown-headed Cowbird, 2; blackbirds (sp.), **100,000**; Cardinal, 128; Purple Finch, 26; Am. Goldfinch, **562**; Eastern Towhee, 9; Savannah Sparrow, 25; Leconte's Sparrow, 1; Slate-colored Junco, 623; Chipping Sparrow, 18; Field Sparrow, 79; Harris's Sparrow, 2; White-crowned Sparrow, 39; White-throated Sparrow, 360; Fox Sparrow, 14; Swamp Sparrow, 14; Song Sparrow, 46; **Smith's Longspur, 8. Total,** 65 species; about 115,839 individuals. (In area count period: Am. Coot, Red-headed Woodpecker.)—A. L. Butler, H. H. Daniel (compiler), Mrs. Bertha Hegar, Mrs. Katie Hosp, Atha and Ross Jamison, Mrs. Nora Mangle, Mrs. Eugenia Moore, Mrs. Pat Moore, Joseph A. Norton, Jo Donna Norton, Mrs. John F. Rea, W. P. Scarlett, W. M. Shepherd, Hank Strauss.

405. Lonoke, Ark. (all areas previously covered; fields, flooded rice stubble, grassy roadside 55%, deciduous forest, mostly flooded 20%, lakes and ponds, many drained 18%, forest edge and hedgerows 7%).—Dec. 21; 6:30 a.m. to 6 p.m. Clear; temp. 35° to 67°; wind W to S, 3-12 m.p.h. Eighteen observers in 7 parties. Total party-hours, 64 (50 on foot, 14 by car); total party-miles, 222 (39 on foot, 183 by car). Pied-billed Grebe, 6; Great Blue Heron, 15; Mallard, 729; Black Duck, 1; Gadwall, 2; Am. Widgeon, 544; Pintail, 358; Shoveller, 89; Redhead, 27; Ring-necked Duck, 236; Canvasback, 104; Lesser Scaup, 77; Buffle-head, 12; Ruddy Duck, **30**; Turkey Vulture, 20; Black Vulture, 4; Red-tailed Hawk, 37; Red-shouldered Hawk, 4; Rough-legged Hawk, 2; Marsh Hawk, 50; Sparrow Hawk, 20; Bob-white, 23; King Rail, 1; Am. Coot, 421; Killdeer, 230; Wilson's Snipe, 121; Least Sandpiper, 146; Mourning Dove, 85; Horned Owl, 5; Barred Owl, 5; Short-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 85; Pileated Woodpecker, 9; Red-bellied Woodpecker, 46; Red-headed Woodpecker, 42; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 11; Downy Woodpecker, 37; Horned Lark, 52; Blue Jay, 101; Am. Crow, 123; Carolina Chickadee, 52; Tufted Titmouse, 14; Brown Creeper, 1; **House Wren, 1** (D.J.); **Winter Wren, 1**; Bewick's Wren, 4; Carolina Wren, 36; Mockingbird, 95; Brown Thrasher, 32; Am. Robin, 27; Hermit Thrush, 10; Eastern Bluebird, 10; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 16; Water Pipit, 50; Sprague's Pipit, 2; Cedar Waxwing, 9; Loggerhead Shrike, 69; Common Starling, 314; Myrtle Warbler, 8; House Sparrow, 595; Eastern Meadowlark, 620; Western Meadowlark, 7; Red-winged Blackbird, 9389; Rusty Blackbird, 392; Brewer's Blackbird, 344; Purple Grackle, 1443; Brown-headed Cowbird, 35; Cardinal, 259; Purple Finch, 9; Am. Goldfinch, 77; Eastern Towhee, 37; Savannah Sparrow, 589; Leconte's Sparrow, 70; Vesper Sparrow, 2; Slate-colored Junco, 74; Field Sparrow, 122; Harris's Sparrow, 4; White-crowned Sparrow, 125; White-throated Sparrow, 322; Fox Spar-

row, 20; **Lincoln's Sparrow, 1** (collected); Swamp Sparrow, 208; Song Sparrow, 440; Lapland Longspur, 498. **Total,** 87 species; about 20,366 individuals. —Irving T. Beach, Ben B. Coffey, Jr., Mrs. Daniel S. Collins, Mr. and Mrs. H. H. Daniel, George Hoffman, Douglas James, Mrs. Ross L. Jamison, Luther F. Keeton, Edward M. King, Mr. and Mrs. Paul K. McCoy, Mary K. McNabb, Dr. and Mrs. W. P. Scarlett, W. M. Shepherd, Jr. (compiler), R. Demett Smith, Mrs. Cliff Springer.

406. **Texarkana, Ark.–Tex.** (same area as in past).—Dec. 29; 7:15 a.m. to 4:30 p.m. Clear; temp. 32° to 57°; wind slight. Four observers in 1 party. Total party-hours, 35 (26 on foot, 9 by car); total party-miles, 112 (44 on foot, 68 by car). Great Blue Heron, 5; Am. Egret, 3; Turkey Vulture, 16; Black Vulture, 8; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Killdeer, 1; Wilson's Snipe, 47; Mourning Dove, 51; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 9; Blue Jay, 38; Am. Crow, 62; Carolina Chickadee, 6; Tufted Titmouse, 1; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 23; Brown Thrasher, 9; Am. Robin, 20; Hermit Thrush, 2; Eastern Bluebird, 7; Ruby-crowned Kinglet, 5; Water Pipit, 1; Cedar Waxwing, 67; Loggerhead Shrike, 20; Common Starling, 116; Myrtle Warbler, 14; House Sparrow, 65; Eastern Meadowlark, 61; Red-winged Blackbird, 103; Purple Grackle, 12; Brown-headed Cowbird, 40; Cardinal, 21; Am. Goldfinch, 26; Slate-colored Junco, 6; White-throated Sparrow, 33; Fox Sparrow, 7. **Total,** 44 species; about 951 individuals.—Charles Gardner (compiler), Dale Gardner, Gale Gardner, Don Kyle.

407. **White River National Wildlife Refuge, Ark.** (headquarters south over bottoms road to Demonstration Area, White Lake, Frazer Lake, Farm Unit, returning via State Highway 1; bottomland hardwoods 40%, farmland and meadow 30%, upland hardwoods, coppice, abandoned fields 15%, lakes and bayous 10%, lawns and farm sites 5%).—Dec. 23; 6:59 a.m. to 5:09 p.m. Partly cloudy; temp. 43° to 69°; wind S to N, 2-10 m.p.h.; no water areas frozen. Two observers in 1 party. Total party-hours, 10 (9 on foot, 1 by car); total party-miles, 24 (10 on foot, 13 by car, 1 by boat). Great Blue Heron, 4; Canada Goose, 936; Mallard, 2265; Black Duck, 3; Gadwall, 2; Am. Widgeon, 13; Pintail, 1915; Green-winged Teal, 2572; Shoveller, 5; Wood Duck, 3; Ring-necked Duck, 4; Turkey Vulture, 6; Red-tailed Hawk, 11; Golden Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 3; Am. Coot, 1; Killdeer, 10; Mourning Dove, 14; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 31; Pileated Woodpecker, 8; Red-bellied Woodpecker, 67; Red-headed Woodpecker, 50; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 16; Eastern Phoebe, 1; Blue Jay, 77; Carolina Chickadee, 48; Tufted Titmouse, 21; White-breasted Nuthatch, 6; Brown Creeper, 1; Carolina Wren, 49; Mockingbird, 9; Brown Thrasher, 11; Am. Robin, 11; Hermit Thrush, 6; Eastern Bluebird, 4; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 7; Common Starling, 56; Myrtle Warbler, 2; House Sparrow, 15; Eastern Meadowlark, 134; Red-winged Blackbird, 112; Rusty Blackbird, 5; Purple Grackle, 36,000; Cardinal, 94; Am. Goldfinch, 6; Eastern Towhee, 4; Slate-colored Junco, 190; Field Sparrow, 68; White-crowned Sparrow, 9; White-throated Sparrow, 105; Swamp Sparrow, 3; Song Sparrow, 10. **Total,** 59 species; about 45,041 individuals. (Seen official count period: Black Vulture, Cedar Waxwing.)—Darryl L. Agee (compiler), Peter J. Van Huizen.

408. **New Orleans, La.** (same area as preceding years).—Dec. 21; 5:30 a.m. to 6 p.m. Clear; temp. 50° to 64°; wind SE, 0-5 m.p.h. Twelve observers in 4 parties. Total party-hours, 40 (27 on foot, 13 by car); total party-miles, 185 (27 on foot, 158 by car). Common Loon, 2; Pied-billed Grebe, **174**; Double-crested Cormorant, 7; Great Blue Heron, 1; Am. Egret, 6; Snowy Egret, 1; White Ibis, 2; Wood Duck, 2; Redhead, 2; Ring-necked Duck, 80; Canvas-back, **251**; Lesser Scaup, 1250; **Buffle-head, 1** (carefully identified); Hooded Merganser, 1; Turkey Vulture, 14; Black Vulture, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6 (1 Krider's); Red-shouldered Hawk, 22; Marsh Hawk, 3; Sparrow Hawk, 12; King Rail, 1; Florida Gallinule, 14; Am. Coot, 341; Killdeer, 99; Wilson's Snipe, 4; Spotted Sandpiper, 2; Herring Gull, 40; Ring-billed Gull, 593; Laughing Gull, 12; Bonaparte's Gull, 8; Forster's Tern, 2; **Common Tern, 1** (all field marks); Royal Tern, 1; Mourning Dove, 103; Barn Owl, 1; Screech Owl, 2; Burrowing Owl, 1; Barred Owl, 5; **Common Nighthawk, 2** (present all fall and early winter); Ruby-throated Hummingbird, 1; Rufous Hummingbird, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 77; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 18; Hairy Woodpecker, 3; Downy Woodpecker, 19; Eastern Phoebe, 41; **empidonax (sp.), 1**; Tree Swallow, 460; Rough-winged Swallow, **47**; Blue Jay, 61; Am. Crow, 83; Fish Crow, 35; crow (sp.), 580; Carolina Chickadee, 62; Tufted Titmouse, 9; Red-breasted Nuthatch, 4; Brown Creeper, 2; House Wren, 43; Carolina Wren, 97; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1; Mockingbird, 179; Catbird, 3; Brown Thrasher, 25; Am. Robin, 3052; Hermit Thrush, 14; Eastern Bluebird, 37; Blue-gray Gnatcatcher, 41; Ruby-crowned Kinglet, 99; Water Pipit, 181; **Sprague's Pipit, 2**; Cedar Waxwing, 73; Loggerhead Shrike, 60; Common Starling, 691; White-eyed Vireo, 5; Solitary Vireo, 3; **Black and White Warbler, 1**; Orange-crowned Warbler, 35; Myrtle Warbler, 1539; Pine Warbler, 5; Palm Warbler, 15; Common Yellowthroat, 119; Black-capped Warbler, 5; House Sparrow, 461; Eastern Meadowlark, 161; Red-winged Blackbird, 295; Rusty Blackbird, 2; Boat-tailed Grackle, 58; Purple Grackle, 131; Brown-headed Cowbird, 5; **Summer Tanager, 1** (carefully identified—C.L.E., H.A.E.); Cardinal, 214; Purple Finch, 24; Am. Goldfinch, 557; Eastern

Towhee, 28; Savannah Sparrow, 22; Slate-colored Junco, 6; Field Sparrow, 7; White-throated Sparrow, 266; Swamp Sparrow, 316; Song Sparrow, 8. **Total,** 104 species (1 additional subspecies); about 13,487 individuals.—Ralph Cambre, Brian Donlan, Albert E. Eigenbrod, Cora L. Evans, H. A. Evans (compiler), Rose Feingold, Sidney Gauthreaux, John Gee, Selby W. Hamilton, Buford M. Myers, Mack Myers, David Weber (New Orleans Branch, L. O. S.).

409. Sabine National Wildlife Refuge, La. (same area as last year; marsh 47%, woods 20%, lakes 11%, fields 10%, beach and jetties 9%, town 3%).—Dec. 28; 1:30 a.m. to 6 p.m. Clear; temp. 45° to 60°; wind N to NNW, 3-16 m.p.h.; cold front passage 2 hours prior to start of count. Ten observers in 8 parties. Total party-hours, 64 (35 on foot, 12 by car, 17 by boat); total party-miles, 291 (32 on foot, 209 by car, 50 by boat). Common Loon, 1; Horned Grebe, 11; Eared Grebe, 1; Pied-billed Grebe, 49; White Pelican, 98; Brown Pelican, 19; Double-crested Cormorant, 35; Olivaceous Cormorant, 109; cormorant (sp.), 180; Water-turkey, 3; Great Blue Heron, 177; Am. Egret, 114; Snowy Egret, 438; Louisiana Heron, 105; Little Blue Heron, 28; Green Heron, 1; Black-crowned Night Heron, 16; Am. Bittern, 6; White-faced Ibis, 279; White Ibis, 56; **Roseate Spoonbill, 250**; Canada Goose, 3300 (1 *hutchinsi*); White-fronted Goose, 500; Snow Goose, 7000; Blue Goose, 35,000; Mallard, 121; Black Duck, 4; Mottled Duck, 52; Gadwall, 102; Am. Widgeon, 136; Pintail, 308; Green-winged Teal, 19; Blue-winged Teal, 14; Shoveller, 124; Redhead, 2; Ring-necked Duck, 4; Canvas-back, 2; **Greater Scaup, 1** (E.W.); Lesser Scaup, 58; scaup (sp.), 171; Am. Golden-eye, 9; Buffle-head, 2; Red-breasted Merganser, 6; Turkey Vulture, 9; Black Vulture, 19; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Marsh Hawk, 44; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 24; Bob-white, 5; King Rail, 19; Clapper Rail, 1; Virginia Rail, 1; Sora, 5; Florida Gallinule, 3; Am. Coot, **2580**; Snowy Plover, 3; Ringed Plover, 7; Killdeer, 164; Black-bellied Plover, 113; Ruddy Turnstone, 10; Wilson's Snipe, 25; Spotted Sandpiper, 3; Willet, 35; Greater Yellow-legs, 23; Lesser Yellow-legs, 78; Least Sandpiper, 110; Red-backed Sandpiper, 73; dowitcher (sp.), 250; Semipalmated Sandpiper, 40; Western Sandpiper, 129; **Marbled Godwit, 1** (A.H.); Sanderling, 60; Am. Avocet, 49; Herring Gull, 63; Ring-billed Gull, 360; Laughing Gull, 34; Bonaparte's Gull, 21; Gull-billed Tern, 10; Forster's Tern, 143; Common Tern, 2; Royal Tern, 34; Caspian Tern, 9; Black Skimmer, 450; Mourning Dove, 2; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 41; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 16; Eastern Phoebe, 12; Vermilion Flycatcher, 1; Tree Swallow, 696; **Rough-winged Swallow, 20** (E.W.); Blue Jay, 12; Fish Crow, 25; House Wren, 20; Winter Wren, 1; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 8; Mockingbird, 69; Catbird, 3; Brown Thrasher, 16; Am. Robin, 108; Hermit Thrush, 4; Blue-gray Gnatcatcher, 106; Ruby-crowned Kinglet, 56; Water Pipit, 45; Sprague's Pipit, 3; Cedar Waxwing, 35; Loggerhead Shrike, 54; Common Starling, 349; **Solitary Vireo, 1** (E.W.); Orange-crowned Warbler, 10; Myrtle Warbler, 211; Palm Warbler, 2; Common Yellowthroat, 9; **Black-capped Warbler, 3**; House Sparrow, 37; Eastern Meadowlark, 103; Red-winged Blackbird, 1760; Brewer's Blackbird, 150; Boat-tailed Grackle, 1280; Brown-headed Cowbird, 46; Cardinal, 47; **Pine Siskin, 2**; Eastern Towhee, 4; Savannah Sparrow, 26; Sharp-tailed Sparrow, 8; Seaside Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 1; White-throated Sparrow, 15; Lincoln's Sparrow, 1; Swamp Sparrow, 65; Song Sparrow, 37. **Total,** 138 species (1 additional subspecies); about 59,497 individuals. [Exceptionally neat, carefully prepared report with substantiating details for all unusual observations—Ed.]—August Hanniball (compiler), Electa D. Levi, Robert B. Moore, Robert J. Newman, Thomas Pugh, J. Harvey Roberts, Rita F. Smith, John H. Sutherlin, Ava R. Tabor, Edwin Willis.

410. St. Francisville, La. (same area as in 1945; river and lake shore 30%, fields 28%, deciduous bottomland 27%, hardwood upland 10%, marsh 3%, pine forest 2%).—Dec. 21; 4:55 a.m. to 5:15 p.m. Clear; temp. 35° to 68°; wind ESE, 4 m.p.h. Twenty-two observers in 11 parties. Total party-hours, 74 (32 on foot, 42 by car); total party-miles, 222 (31 on foot, 191 by car). Common Loon, 4; Horned Grebe, 5; Eared Grebe, 6; Pied-billed Grebe, 128; White Pelican, 4; Double-crested Cormorant, 2; Great Blue Heron, 6; Am. Egret, 4; Mallard, 4; Gadwall, 1; Am. Widgeon, 5; Shoveller, 1; Redhead, 1; Ring-necked Duck, 20; Canvas-back, 84; Lesser Scaup, 505; Am. Golden-eye, 2; Buffle-head, 16; Ruddy Duck, 3021; Turkey Vulture, 43; Black Vulture, 231; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 24; Red-shouldered Hawk, 12; Marsh Hawk, 3; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 23; Bob-white, 10; King Rail, 2; Sora, 8; Am. Coot, 1223; Killdeer, 159; Am. Woodcock, 1; Wilson's Snipe, 1; Spotted Sandpiper, 3; Least Sandpiper, 9; Herring Gull, 2; Ring-billed Gull, 11; Mourning Dove, 56; Screech Owl, 1; Horned Owl, 8; Barred Owl, 9; Belted Kingfisher, 18; Yellow-shafted Flicker, 108; Pileated Woodpecker, 1; Red-bellied Woodpecker, 106; Red-headed Woodpecker, 48; Yellow-bellied Sapsucker, 49; Hairy Woodpecker, 10; Downy Woodpecker, 67; Eastern Phoebe, 68; Vermilion Flycatcher, 1; Tree Swallow, 27; Blue Jay, 232; Am. Crow, 750; Fish Crow, 1630; Carolina Chickadee, 118; Tufted Titmouse, 89; Brown Creeper, 1; House Wren, 8; Winter Wren, 4; Bewick's Wren, 10; Carolina Wren, 106; Long-billed Marsh Wren, 2; Mockingbird, 231; Catbird, 1; Brown Thrasher, 109; Am. Robin, 783; Hermit Thrush, 19; Eastern Bluebird, 184; Blue-gray Gnatcatcher, 63; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 250; Water Pipit, 281; Cedar Waxwing, 73; Loggerhead Shrike, 116; Common Starling, 1433; White-eyed Vireo, 2; Solitary Vireo, 1; Orange-crowned Warbler, 11; Myrtle Warbler, 455; Pine Warbler, 1; Palm Warbler, 1; Common Yellowthroat, 30; Black-capped Warbler, 1;

House Sparrow, 167; Eastern Meadowlark, 131; Western Meadowlark, 2; Red-winged Blackbird, 11,292; Rusty Blackbird, 589; Purple Grackle, 3754; Brown-headed Cowbird, 1365; Cardinal, 759; Purple Finch, 4; Am. Goldfinch, 89; Eastern Towhee, 158; Savannah Sparrow, 30; Vesper Sparrow, 13; Slate-colored Junco, 32; Chipping Sparrow, 22; Field Sparrow, 97; White-crowned Sparrow, 6; White-throated Sparrow, 1317; Fox Sparrow, 23; Lincoln's Sparrow, 3; Swamp Sparrow, 99; Song Sparrow, 77. **Total,** 109 species; about 33,193 individuals.—Fred J. Buchmann, Phillip S. Callahan, Dennis L. Carter, Gipson L. Carter, P. Ambrose Daigre, Mr. and Mrs. Robert K. Dix, Marshall B. Eyster, Mr. and Mrs. Clifford C. Garvin, Douglas A. Lancaster, George H. Lowery, Dorothy Meakin, Robert B. Moore (compiler), Mrs. Robert B. Moore, Robert J. Newman, Carroll R. Norden, Thomas B. Pugh, J. Harvey Robert, Lyman Roberts, Stephen M. Russell, Ellen Taylor.

411. **Shreveport, La.** (same area as last year; open fields and pastures 19%, brushy fields and edges 32%, deciduous woods 25%, pine woods 12%, wooded lake 4%, open lake and ponds 8%).—Dec. 21; 3:15 a.m. to 6 p.m. Clear; temp. 34° to 65°; wind SE, 0-11 m.p.h. Thirteen observers in 9 parties. Total party-hours, 86 (58 on foot, 21 by car, 7 in boat); total party-miles, 484 (59 on foot, 405 by car, 20 by boat).—Common Loon, 1; Pied-billed Grebe, 4; Double-crested Cormorant, 3; Great Blue Heron, 43; Am. Egret, 19; **Green Heron, 1** (first winter record, rechecked next day); Black-crowned Night Heron, 1; Mallard, 19; Am. Widgeon, 11; Pintail, 2; Green-winged Teal, 4; Redhead, 5; Canvas-back, 200; Lesser Scaup, 5; Ruddy Duck, 186; Turkey Vulture, 43; Black Vulture, 22; Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 9; Marsh Hawk, 1; Sparrow Hawk, 26; Bob-white, 39; Am. Coot, 2; Killdeer, 493; Wilson's Snipe, 141; Least Sandpiper, 21; Herring Gull, 4; Ring-billed Gull, 600; Mourning Dove, 134; Road-runner, 1; Screech Owl, 7; Barred Owl, 13; Belted Kingfisher, 8; Yellow-shafted Flicker, 120; Pileated Woodpecker, 4; Red-bellied Woodpecker, 84; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 39; Hairy Woodpecker, 18; Downy Woodpecker, 44; Red-cockaded Woodpecker, 12; Eastern Phoebe, 13; **Horned Lark, 10** (carefully identified—J.R.S.); Blue Jay, 297; Am. Crow, 131; **Fish Crow, 3** (calling); Carolina Chickadee, 131; Tufted Titmouse, 116; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 27; Brown Creeper, 3; House Wren, 4; Winter Wren, 5; Bewick's Wren, 5; Carolina Wren, 95; Short-billed Marsh Wren, 3; Mockingbird, 150; Brown Thrasher, 86; Am. Robin, 151; Hermit Thrush, 52; Eastern Bluebird, 140; Golden-crowned Kinglet, 49; Ruby-crowned Kinglet, 171; Water Pipit, 36; Sprague's Pipit, 4; Cedar Waxwing, 15; Loggerhead Shrike, 97; Common Starling, 850; **White-eyed Vireo, 1** (collected later); Orange-crowned Warbler, 2; Myrtle Warbler, 99; Pine Warbler, 98; House Sparrow, 148; Eastern Meadowlark, 410; Western Meadowlark, 3; Red-winged Blackbird, 868; Rusty Blackbird, 14; Brewer's Blackbird, 46; Purple Grackle, 10,162; Brown-headed Cowbird, 269; Cardinal, 395; Purple Finch, 25; Pine Siskin, 29; Am. Goldfinch, 201; [Eastern Towhee, 122 + Spotted Towhee, 7]; Savannah Sparrow, 171; Leconte's Sparrow, 21; Vesper Sparrow, 6; Slate-colored Junco, 455; Oregon Junco, 3; Chipping Sparrow, 53; Field Sparrow, 305; Harris's Sparrow, 8; White-crowned Sparrow, 9; White-throated Sparrow, 935; Fox Sparrow, 13; Lincoln's Sparrow, 25; Swamp Sparrow, 64; Song Sparrow, 181; Lapland Longspur, 4; Smith's Longspur, 1. **Total,** 103 species (1 additional subspecies); about 20,225 individuals. [Exceptionally neat, carefully prepared report with substantiating details for all unusual observations—Ed.]—Abner W. Cook, Jr., Eugene H. Fleming, G. Dale Hamilton, Mrs. Horace C. Hearne, Rudolph Horstman, Horace H. Jeter (compiler), Mrs. Lewis Jones, George Kneipp, Robert L. Lance, John Lennie, O. C. Sheffield, James R. Stewart, Jr., Matthew Turk.

412. **Bismarck, N. Dak.** (same area as last year; deciduous bottomland 25%, mixed conifers and hardwoods at Experiment Station and tree nursery 31%, bottomland fields and meadows 20%, upland fields and prairie 10%, farmsteads and feed lots 6%, weed fields 2%, urban 6%).—Dec. 22; 8 a.m. to 5 p.m. Cloudy; temp. 20° to 42°; wind ENE to W, 5-16 m.p.h.; no snow, Missouri River not frozen. Eleven observers in 5 parties. Total party-hours, 17 (11 on foot, 6 by car); total party-miles, 123 (7 on foot, 116 by car). Mallard, 30; Red-tailed Hawk, 1; Rough-legged Hawk, 3; Sharp-tailed Grouse, 6; European Partridge, 5; Ring-necked Pheasant, 170; Horned Owl, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 11; Blue Jay, 7; Am. Magpie, 16; Black-capped Chickadee, 57; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 6; Brown Creeper, 2; Am. Robin, 10; Bohemian Waxwing, 56; Cedar Waxwing, 12; Common Starling 2; House Sparrow, 899; Cardinal, 1; Common Redpoll, 79; Am. Goldfinch, 5; **White-winged Crossbill, 10** (seen again Dec. 29); Slate-colored Junco, 14; Am. Tree Sparrow, 154. **Total,** 27 species; about 1578 individuals. (Seen in area count period: Mourning Dove, Horned Lark, Evening Grosbeak.)—Frank Alexander, R. L. Bagwell, E. G. Gahley, Kenneth Johnson, Morton Johnson, Mr. and Mrs. George Jonkel, Wilford Miller, R. N. Randall (compiler), Bill Rush, Betty Stephens (Bismarck Audubon Society).

413. **Des Lacs National Wildlife Refuge, N. Dak.** (7½-mile radius centering on refuge headquarters, including refuge coulees and lakeshores, Kenmare, surrounding farmlands; open fields and prairie 70%, wooded coulees and lakeshore 30%).—Dec. 29; 8:15 a.m. to 5:30 p.m. Overcast; temp. −10° to −6°; wind ENE, 11 m.p.h.; snow showers, water areas frozen. Thirty observers in 8 parties. Total party-hours, 60 (16 on foot, 44 by car); total party-miles, 676 (23 on foot, 653 by car). Sharp-tailed Grouse, 93; European Partridge, 85; Ring-necked Pheasant, 6; Snowy Owl, 1; Hairy Woodpecker, 1;

Downy Woodpecker, 1; Horned Lark, 594; Am. Magpie, 28; Black-capped Chickadee, 9; Bohemian Waxwing, 108; Common Starling, 14; House Sparrow, 494; Hoary Redpoll, 4; Common Redpoll, 1115; Lapland Longspur, 932; Snow Bunting, 539. **Total,** 16 species; about 4024 individuals. (Seen in area count period: Horned Owl.) [Extremely neat, well prepared report—Ed.]—George Bodmer, Henry Bodmer, Mr. and Mrs. H. A. Bodmer, John Bodmer, Paul Bodmer, Thomas Bodmer, Mr. and Mrs. Harold Carlson, Paul Carlson, Dr. and Mrs. Robert Gammell (compilers), Mr. and Mrs. H. E. Gross, Richard Gross, Robert Gross, Robert Johnson, James McCulley, Dr. and Mrs. L. E. McCulley, Mr. and Mrs. A. J. Pederson, Rodli Pederson, Ruth Pederson, Darrel Rytter, Lyla Rytter, Russell Rytter, Viggo Rytter, Edward Smith, Walter Thompson (Kenmare Bird Club).

414. Fargo, N. Dak.–Moorhead, Minn. (as last year, 7½-mile radius centering on Red River 4½ miles north of Fargo, including Red River Valley from Riverside Cemetery north to confluence of Red and Sheyenne Rivers, portions of both Sheyenne and Buffalo Rivers; floodplain deciduous growth 40%, agricultural land 27%, city parks and cemetery 17%, oak woods 6%, deciduous shelterbelt 4%, coniferous shelterbelt 3%, city 3%).—Dec. 26; 7:30 a.m. to 4:40 p.m. Overcast; temp. 9° to 30°; wind SSE, 4-25 m.p.h.; ground bare for third time in 52 years, smaller streams frozen, Red River open north of Fargo, previous weeks mild. Six observers in 2-5 parties. Total party-hours, 22 (16 on foot, 6 by car); total party-miles, 131 (22 on foot, 109 by car). Mallard, 8; **Marsh Hawk, 1**; European Partridge, 20; Ring-necked Pheasant, 7; Horned Owl, 9; Long-eared Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 13; Blue Jay, 4; Am. Crow, 6; Black-capped Chickadee, 70; White-breasted Nuthatch, 31; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 83; House Sparrow, 810; Western Meadowlark, 1; **Cardinal,** 1; Purple Finch, 3; Pine Grosbeak, 12; **White-winged Crossbill,** 4; Slate-colored Junco, 28; Am. Tree Sparrow, 2. **Total,** 25 species; about 1126 individuals. [Extremely neat, well prepared report with excellent details for all unusual observations—Ed.]—John F. Anderson, J. Frank Cassel (compiler), Mr. and Mrs. Paul A. Johnsgard, Frank M. Melton, David M. Noetzel.

415. Grand Forks County, N. Dak. (as last year, 7½-mile radius centered 3 miles west of Grand Forks Airport; cultivated prairie, pasture, hay land 90%, wooded Red River banks and city of Grand Forks 10%).—Dec. 21; 8:50 a.m. to 4:50 p.m. Partly cloudy to clear; temp. 15° to 30°; wind NW to N, 6-18 m.p.h.; no snow on ground. Four observers in 2 parties. Total party-hours, 8 (3½ on foot, 4½ by car); total party-miles, 75 (8 on foot, 67 by car). Hairy Woodpecker, 4; Downy Woodpecker, 1; Am. Magpie, 1; Black-capped Chickadee, 13; White-breasted Nuthatch, 3; Bohemian Waxwing, 17; Common Starling, 45; House Sparrow, 300; **Brewer's Blackbird,** 1 (carefully identified—E.P., L.S.); Pine Grosbeak, 8; Common Redpoll, 20; **Savannah Sparrow,** 1 (Carefully identified—E.P., L.S.); Lapland Longspur, 150. **Total,** 13 species; about 564 individuals. [Exceptionally neat, carefully prepared report—Ed.]—Delbert Hlavinka, Gyman Okeson, E. W. Pfeiffer, Lawrence Summers (compiler).

416. Lower Souris National Wildlife Refuge, N. Dak. (Refuge Headquarters to Upham, thence east across marsh to riverbottom between Dam I and Willow Creek; marsh 33%, meadow 33%, wooded riverbottom 34%).—Dec. 31; 8:15 a.m. to 4:30 p.m. Partly cloudy to cloudy; temp. −12° to −10°; wind calm; 2-in. snow, open water in running stream near Dam 3. Three observers in 1 party. Total party-hours, 8¼ (6 on foot, 2¼ by car); total party-miles, 44 (7 on foot, 37 by car). Rough-legged Hawk, 1; Golden Eagle, 1; Sharp-tailed Grouse, 21; European Partridge, 23; Ring-necked Pheasant, 95; Short-eared Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 8; Am. Magpie, 8; Black-capped Chickadee, 24; White-breasted Nuthatch, 11; Bohemian Waxwing, 55; House Sparrow, 250; Red-winged Blackbird, 50; Pine Grosbeak, 5; Common Redpoll, 150; Slate-colored Junco, 1; Snow Bunting, 60. **Total,** 18 species; about 767 individuals.—John R. Frye, Donald V. Gray (compiler), Ora H. Wells.

417. Snake Creek National Wildlife Refuge, N. Dak. (15-mile diameter circle; open prairie, stubble fields, water area, woodlands).—Dec. 23; 8 a.m. to 6:30 p.m. Clear; temp. 24° to 37°; wind WNW to SSW, 15 m.p.h. Two observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 43 (5 on foot, 38 by car). Mallard, 757; Bald Eagle, 1; Ring-necked Pheasant, 1; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 1; Hairy Woodpecker, 2; Am. Magpie, 2; Black-capped Chickadee, 15; White-breasted Nuthatch, 1; House Sparrow, 17; Common Redpoll, 2; Lapland Longspur, 72. **Total,** 13 species; about 873 individuals.—Blaine G. Meier, Jerald J. Wilson (compiler).

418. Brookings, S. Dak. (15-mile diameter including Oakwood Lakes and Lake Campbell; bottomland deciduous forest 20%, marshes and lakes 15%, cedar grove 5%, open fields 60%).—Dec. 29; 8 a.m. to 5 p.m. Snow flurries a.m., clearing p.m.; temp. 2° to 10°; wind NW, 7-10 m.p.h.; very little snow on ground, streams and lakes mostly covered with ice. Nine observers in 2 parties. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 97 (10 on foot, 87 by car). Mallard, 350; Ring-necked Pheasant, 244; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Horned Lark, 14; Blue Jay, 2; Am. Crow, 13; Black-capped Chickadee, 19; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Cedar Waxwing, 29; **Loggerhead Shrike, 1** (carefully identified); Common Starling, 61; House Sparrow, 1136; Purple Finch, 6; **Common Redpoll, 49**; Am. Goldfinch, 28; Slate-colored Junco, 18; Am. Tree

Sparrow, 54. **Total,** 21 species; about 2038 individuals. (Seen count period: Am. Robin.)—Mrs. Clara Beals, Orena Cooper, David Holden, Mrs. David Holden (compiler), D. C. Mackintosh, Edward Olson, Gerald Spawn, Mrs. C. A. Taylor, David Taylor.

419. **Huron, S. Dak.** (7½-mile radius centering at intersection of 9th St. and Dakota Ave.; riverbottom deciduous trees and brush 4%, cemetery and parks 2%, tree strips, deciduous and conifer 6%, residential areas 15%, prairie 73%).—Dec. 21; 7:45 a.m. to 5:05 p.m. Clear to partly cloudy; temp. 20° to 42°; wind SE, 5-25 m.p.h.; ground bare, open water. Eight observers in 2 parties. Total party-hours, 12 (6 on foot, 6 by car); total party-miles, 73 (6 on foot, 67 by car). Peregrine Falcon, 1; Ring-necked Pheasant, 45; Long-eared Owl, 1; Yellow-shafted Flicker, 10; Downy Woodpecker, 7; Horned Lark, 103; Blue Jay, 2; Am. Crow, 12; Black-capped Chickadee, 19; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 6; Brown Creeper, 3; **Brown Thrasher, 1** (at feeder daily); Golden-crowned Kinglet, 2; Cedar Waxwing, 57; Common Starling, 55; House Sparrow, 1205; Western Meadowlark, 1; **Red-winged Blackbird, 1**; Evening Grosbeak, 2; **Purple Finch, 1** (seen well); Common Redpoll, 40; Pine Siskin, 8; Red Crossbill, 1; White-winged Crossbill, 5; Slate-colored Junco, 39; Oregon Junco, 8 (7 Pink-sided); Am. Tree Sparrow, 40. **Total,** 28 species (1 additional subspecies); about 1675 individuals. (Hairy Woodpecker seen during period.)—Blanche Battin, Richard Jackson, J. W. Johnson (compiler), Mrs. J. W. Johnson, Mrs. Hubert Ketelle, Mrs. H. M. Pierce, Mrs. G. F. Vanderstein, Mrs. O. E. Wright.

420. **Lacreek National Wildlife Refuge, S. Dak.** (same area as previous years; marsh and reservoir 40%, meadow 40%, willow thickets 20%).—Dec. 26; 7:30 a.m. to 3:30 p.m. Partial overcast most of day; temp. 29° to 45°; wind SW, 12-20 m.p.h.; no snow cover, pools with large areas of open water. One observer. Total hours, 8 (2 on foot, 6 by car); total miles, 29 (2 on foot, 27 by car). Canada Goose, 120 (mostly captive); Snow Goose, 1; Mallard, 17,429; Pintail, 1; Am. Golden-eye, 16; Am. Merganser, 18; Rough-legged Hawk, 6; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 6; Ring-necked Pheasant, 153; Killdeer, 3; Downy Woodpecker, 2; Am. Crow, 27; Am. Robin, 1; Common Starling, 2; House Sparrow, 42; Common Redpoll, 3; Am. Tree Sparrow, 27; Lapland Longspur, 4. **Total,** 20 species; about 17,865 individuals. (Seen in area count period: Prairie Falcon, Horned Owl, Snowy Owl.)—Kenneth Krumm.

421. **Madison, S. Dak.** (7½-mile radius centering on Center and Egan Avenues, includes Lake Madison, Lake Herman, Brant Lake; plowed fields 70%, pasture 20%, slough grass 5%, town 5%).—Dec. 22; 8 a.m. to 4 p.m.; temp. 15° to 20°; wind NW, 8-10 m.p.h.; no snow, lakes partly frozen. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 117 (2 on foot, 115 by car). Mallard, 3507; Red-tailed Hawk, 1; Ring-necked Pheasant, 41; Screech Owl, 1; Horned Owl, 1; Yellow-shafted Flicker, 3; Downy Woodpecker, 1; Horned Lark, 19; Blue Jay, 2; Am. Crow, 21; Black-capped Chickadee, 3; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Common Starling, 10; House Sparrow, 263; Western Meadowlark, 1; Red-winged Blackbird, 280; Purple Grackle, 25; Common Redpoll, 72; Pine Siskin, 4; Am. Goldfinch, 133; Slate-colored Junco, 21; Am. Tree Sparrow, 92; Lapland Longspur, 125. **Total,** 24 species; about 4633 individuals.—Mrs. Wesley Beardsley, Ruth Habegar (compiler).

422. **Mitchell, S. Dak.** (7½-mile radius from Dakota Wesleyan University; concentrated efforts in Lake Mitchell and James River areas).—Dec. 23; 8 a.m. to 5 p.m. Clear; temp. 30° to 47°; wind W, 10-15 m.p.h. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 63 (6 on foot, 57 by car). Mallard, 802; Pintail, 6; Am. Merganser, 1; Marsh Hawk, 1; Ring-necked Pheasant, 26; Horned Owl, 2; Yellow-shafted Flicker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 30; Blue Jay, 12; Am. Crow, 21; Black-capped Chickadee, 7; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 5; Common Starling, 14; House Sparrow, 200; Cardinal, 2; Common Redpoll, 14; Pine Siskin, 42; Slate-colored Junco, 62; Am. Tree Sparrow, 106. **Total,** 25 species; about 1377 individuals.—L. M. Baylor (compiler), Francis Gilmore.

423. **Rapid City, S. D.** (7½-mile radius centering on Dinosaur Park, including South Canyon, Rapid Canyon, bottomlands of Box Elder, Rapid, Spring Creeks; open plains grassland 42%, Ponderosa Pine forest 35%, deciduous stream bottoms 22%, parks, reservoirs, ponds 1%).—Dec. 29; 7 a.m. to 4:30 p.m. Clear morning, overcast later; temp. 8° to 38°; wind NNW, 6 m.p.h.; ground bare and dry, marginal ice on Canyon Lake. Twenty-eight observers in 11 parties. Total party-hours, 126 (65 on foot, 61 by car); total party-miles, 554 (79 on foot, 475 by car). **Eared Grebe, 1**; Mallard, 663; Am. Golden-eye, 37; Am. Merganser, 6; Rough-legged Hawk, 1; Golden Eagle, 1; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 2; hawk (sp.), 5; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 7; Wilson's Snipe, 2; Belted Kingfisher, 5; Hairy Woodpecker, 1; Downy Woodpecker, 10; Gray Jay, 2; Blue Jay, 7; Am. Magpie, 16; Am. Crow, 10; Piñon Jay, 28; Black-capped Chickadee, 78; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 8; Brown Creeper, 1; Townsend's Solitaire, 2; Golden-crowned Kinglet, 7; Cedar Waxwing, 27; Gray Shrike, 1; shrike (sp.), 1; Common Starling, 73; House Sparrow, 129; Western Meadowlark, 7; Common Redpoll, 102; Pine Siskin, 210; Am. Goldfinch, 30; Red Crossbill, 20; White-winged Junco, **99**; Slate-colored Junco, 31; Oregon Junco, 16; Am. Tree Sparrow, 151; Song Sparrow, 1. **Total,** 40 species; about 1805 individuals. (Seen in area count period: Evening Grosbeak, Har-

ris's Sparrow.)—Gertrude Bachmann, Harry Behrens, Mrs. Charles Bennett, Mrs. Violet Brodsky, Mrs. Fred Burton, Mr. and Mrs. Lawrence Bush, Mable Cummings, Ronald Gray, Mr. and Mrs. Richard Hurd, Mrs. Mary Hyde, Mr. and Mrs. Ralph Mickle, Mrs. Nora Peters, Esther Serr, Mrs. William Snyder, Mr. and Mrs. Roy Sterrett, Susan Sterrett, N. R. Whitney (compiler), Mr. and Mrs. L. B. Yarger, Terry Yarger.

424. Sand Lake National Wildlife Refuge, S. Dak. (7½-mile radius of refuge building site number 2; deciduous shelterbelts 35%, farmland 15%, marshes 10%, grassland 10%, lakes and ponds 20%, farm feed lots 5%, towns 5%).—Dec. 21; 8 a.m. to 5 p.m. Clear; temp. 23° to 41°; wind SSE, 0-18-0 m.p.h.; no snow. Three observers in 2 parties. Total party-hours, 23 (6 on foot, 17 by car); total party-miles, 141 (7 on foot, 134 by car). **Whistling Swan, 13**; Canada Goose, 242 (1 Lesser); Snow Goose, 35; Blue Goose, 11; Mallard, 73,390; Black Duck, 20; Pintail, 9; Lesser Scaup, 7; Am. Merganser, 7; Rough-legged Hawk, 2; Golden Eagle, 1; Bald Eagle, 2; Marsh Hawk, 6; Prairie Falcon, 1; **Swainson's Hawk, 1** (carefully identified, some primaries missing); Ring-necked Pheasant, 266; **Mourning Dove, 1**; Screech Owl, 2; Horned Owl, 8; Snowy Owl, 15; Long-eared Owl, 2; Short-eared Owl, 2; Yellow-shafted Flicker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 2; Blue Jay, 1; Am. Crow, 4; Black-capped Chickadee, 6; **Am. Robin, 2**; Gray Shrike, 3; Common Starling, 19; House Sparrow, 10,230; **Yellow-headed Blackbird, 2** (well seen thru 20X scope); Red-winged Blackbird, 620; **Rusty Blackbird, 13**; Brewer's Blackbird, 5; Purple Grackle, 15; Common Redpoll, 510; Am. Goldfinch, 143; Slate-colored Junco, 16; Am. Tree Sparrow, 59. **Total,** 41 species (1 additional subspecies); about 85,703 individuals.—Howard S. Huenecke (compiler), K. Duane Norman, Elmer Podoll.

425. Sioux Falls, S. Dak. (7½-mile radius centered at Rice St. and Cliff Ave., including parks, cemeteries, Big Sioux River, Cactus Hills; deciduous wooded valley and hills 75%, town and parks 20%, farmland 5%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Clear; temp. 5° to 15°; wind NE, 5 m.p.h.; no snow, river and streams frozen but many open places. Thirty-two observers in 10 parties. Total party-hours, 80 (27 on foot, 53 by car); total party-miles, 195 (25 on foot, 170 by car). Mallard, 20; Marsh Hawk, 2; Ring-necked Pheasant, 61; Mourning Dove, 1; Horned Owl, 7; Short-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 45; Hairy Woodpecker, 51; Downy Woodpecker, 90; Blue Jay, 32; Am. Crow, 38; Black-capped Chickadee, 278; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 54; Brown Creeper, 17; Am. Robin, 3; Golden-crowned Kinglet, 6; Gray Shrike, 1; Common Starling, 147; House Sparrow, 3912; Red-winged Blackbird, 2; Cardinal, 24; Purple Finch, 9; Common Redpoll, 20; Pine Siskin, 45; Am. Goldfinch, 29; Red Crossbill, 16; White-winged Crossbill, 34; Slate-colored Junco, 729; Am. Tree Sparrow, 243; **Chipping Sparrow, 5**; Harris's Sparrow, 10; Song Sparrow, 75; Snow Bunting, 100. **Total,** 35 species; about 6163 individuals.—Rose Albert, W. A. Behringer, Mr. and Mrs. H. F. Chapman, S. G. Froiland, Richard Flint, Mr. and Mrs. J. S. Findley, George L. Goebel (compiler), Wes Halbritter, Peggy Jones, Donald K. Jorgensen, George Medeck, Ann Mundelein, Mr. and Mrs. Clifford Pay, Ed Perkins, Mr. and Mrs. Max Pierce, Maynard Pearson, Willard Rosine, Max Rittgers, Mr. and Mrs. C. H. Rogge, Steve Sugrue, H. E. Thurston, Mr. and Mrs. Melvin Wheeler, Mr. and Mrs. Mark Wilson, David Wilson, Russell Ziegahn.

426. Waubay National Wildlife Refuge, S. Dak. (4651 acres, including entire refuge 9 miles north of Waubay; water area 50%, deciduous woodland 25%, agricultural land 10%, prairie and hay meadows 15%).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. -14° to 3°; wind SW, 5-10 m.p.h.; ½-in.-snow, water areas frozen except springs and creek. One observer. Total hours, 8 (6 on foot, 2 by car); total miles, 31 (6 on foot, 25 by car). Mallard, 27; Ring-necked Pheasant, 8; **Wilson's Snipe, 1** (seen well); Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Black-capped Chickadee, 3; House Sparrow, 55; Common Redpoll, 143. **Total,** 9 species; 241 individuals. (Seen count period: Canada Goose, Am. Magpie, White-breasted Nuthatch, White-winged Crossbill.)—John C. Carlsen.

427. Yankton, S. Dak. (same area as previous years).—Dec. 25; 8 a.m. to 5:30 p.m. Clear; temp. 34° to 44°; wind NW, 0-20 m.p.h.; no snow, all water open. Two observers in 1 party. Total party-hours, 9½ (4½ on foot, 5 by car); total party-miles, 59 (9 on foot, 50 by car). Canada Goose, 24; Mallard, 164; Pintail, 4; Am. Merganser, 1; Bald Eagle, 1; Marsh Hawk, 2; Ring-necked Pheasant, 13; Ring-billed Gull, 1; Horned Owl, 1; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 3; Am. Crow, 113; Black-capped Chickadee, 16; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 5; Am. Robin, 10; Cedar Waxwing, 35; Common Starling, 49; House Sparrow, 205; Cardinal, 7; Am. Goldfinch, 5; Slate-colored Junco, 92; Am. Tree Sparrow, 188; Harris's Sparrow, 15; Song Sparrow, 6. **Total,** 28 species; about 1002 individuals. (In area count period: Golden Eagle, Herring Gull, Brown Creeper, Golden-crowned Kinglet.)—Willis Hall (compiler), Mrs. Willis Hall.

428. Beatrice–Blue Springs, Neb. (15-mile diameter southeast of Beatrice, including Blue Springs; small streams 25%, wooded area 15%, roadside thickets 50%, city 10%).—Dec. 22; 7:30 a.m. to 5 p.m. Cloudy; temp. 30° to 40°; wind NW, 10-25 m.p.h.; no snow, some ice on small streams. Four observers in 2 parties. Total party-hours, 32 (8 on foot, 24 by car); total party-miles, 43 (10 on foot, 33 by car). Red-tailed Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 1; Horned Owl, 4; Yellow-shafted Flicker,

12; Red-shafted Flicker, 3; Red-bellied Woodpecker, 13; Hairy Woodpecker, 11; Downy Woodpecker, 10; Horned Lark, 33; Blue Jay, 12; Am. Crow, 36; Black-capped Chickadee, 49; Tufted Titmouse, 14; White-breasted Nuthatch, 7; Brown Creeper, 6; Am. Robin, 42; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 6; Cedar Waxwing, 42; Loggerhead Shrike, 8; Common Starling, 176; House Sparrow, 150; Western Meadowlark, 22; Cardinal 12; Purple Finch, 6; House Finch, 10; Eastern Towhee, 3; Slate-colored Junco, 93; Am. Tree Sparrow, 125; Harris's Sparrow, 45; Song Sparrow, 9. **Total,** 34 species; about 982 individuals. [Exceptionally neat report—Ed.]—Vera Anderson (compiler), Mrs Mildred Luebben, Mrs. Florence Patton, Mary Sturmer.

429. **Blair, Nebr.** (from Blair 3 miles east to Missouri River, north and south from Missouri River Bridge; mostly wooded bluffs and riverbottom farmland).—Dec. 29; 7 a.m. to 3 p.m. Clear; temp. 22° to 31°; wind N, 6 m.p.h.; ground bare, large ice floes in river. One observer. Total hours, 8 (5 on foot, 3 by car); total miles, 14 (5 on foot, 9 by car). Mallard, 5; Red-tailed Hawk, 2; Sparrow Hawk, 1; Bob-white, 7; Ring-necked Pheasant, 2; Mourning Dove, 8; Horned Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 11; Am. Crow, 5; Black-capped Chickadee, 9; Tufted Titmouse, 1; Brown Creeper, 2; Common Starling, 32; House Sparrow, 103; Western Meadowlark, 2; Red-winged Blackbird, 30; Brewer's Blackbird, 75; Cardinal, 7; Slate-colored Junco, 14; Am. Tree Sparrow, 4; Harris's Sparrow, 7; Song Sparrow, 1. **Total,** 26 species; about 345 individuals. (Seen count week: Am. Goldfinch.)—Gertrude Wood.

430. **Crete, Nebr.** (same area as 1948 and subsequent years).—Dec. 23; 6:15 a.m. to 5 p.m. Clear; temp. 32° to 50°; wind N to NE, 0-10 m.p.h.; no snow, ponds and Blue River not frozen. Two observers in 1 party. Total party-hours, 11 (5 on foot, 6 by car); total party-miles, 50 (15 on foot, 35 by car). Mallard, 3; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 14; Horned Owl, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 7; Am. Crow, 37; Black-capped Chickadee, 46; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Brown Creeper, 1; Common Starling, 369; House Sparrow, 137; Western Meadowlark, 10; Cardinal, 6; Am. Goldfinch, 1; Slate-colored Junco, 60; Am. Tree Sparrow, 45; Harris's Sparrow, 2; Song Sparrow, 5. **Total,** 25 species; about 768 individuals.—Henry E. Baumgarten, William F. Rapp, Jr. (compiler).

431. **Grand Island, Nebr.** (same area as last year).—Dec. 21; 8:15 a.m. to 5:15 p.m. Clear to partly cloudy; temp. 26° to 59°; wind S to SE, 7-20 m.p.h.; ground clear of snow, still water partially frozen, running water open. Five observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 80 (15 on foot, 65 by car). Rough-legged Hawk, 3; Marsh Hawk, 4; Ring-necked Pheasant, 5; Horned Owl, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 9; Horned Lark, 16; Blue Jay, 1; Am. Crow, 36; Black-capped Chickadee, 19; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 14; Brown Creeper, 1; Am. Robin, 98; Eastern Bluebird, 4; Golden-crowned Kinglet, 5; Common Starling, 504; House Sparrow, 176; Western Meadowlark, 78; Cardinal, 7; Purple Finch, 2; Pine Siskin, 21; Am. Goldfinch, 8; Slate-colored Junco, 46; Am. Tree Sparrow, 70; Harris's Sparrow, 10; Song Sparrow, 1. **Total,** 29 species; about 1156 individuals.—Verneil E. Griffin (compiler), George House, Mrs. George Houser, Floyd Urbach, Lester H. Urbach.

432. **Halsey, Nebr.** (same area in Nebraska National Forest as last 12 years).—Dec. 25; 8 a.m. to 5:30 p.m.; temp. 41° to 46°; wind 8-25 m.p.h. One observer. Total hours, 9½; total miles, 12 (all on foot). Marsh Hawk, 1; Ring-necked Pheasant, 1; Hairy Woodpecker, 1; Am. Magpie, 1; Am. Crow, 15; Black-capped Chickadee, 3; Red-breasted Nuthatch, 1; Am. Robin, 54; Townsend's Solitaire, 1; Cedar Waxwing, 2; Cardinal, 1; Common Redpoll, 14; Am. Goldfinch, 3; Slate-colored Junco, 14; Am. Tree Sparrow, 30. **Total,** 15 species; 142 individuals. —Carl E. Smith.

433. **Hastings, Nebr.** (Crystal Lake area, woodlands along Little Blue River, Parkview Cemetery).—Dec. 28; 8 a.m. to 5 p.m.; temp. 12° to 40°; wind N, 5 m.p.h.; ground bare. Three observers in 2 parties. Total party-hours, 24 (5 on foot, 19 by car); total party-miles, ? (? on foot, ? by car). Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 6; Ring-necked Pheasant, 3; Mourning Dove, 11; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-shafted Flicker, 3; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker 6; Horned Lark, 200; Blue Jay, 2; Am. Crow, 500; Black-capped Chickadee, 20; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 10; Brown Creeper, 1; Winter Wren, 1; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 100; Golden-crowned Kinglet, 4; Common Starling, 100; House Sparrow, 200; Western Meadowlark, 50; Red-winged Blackbird, 25; Rusty Blackbird, 8; Purple Grackle, 3; Cardinal, 15; Purple Finch, 15; Pine Siskin, 5; Am. Goldfinch, 15; Spotted Towhee, 2; Slate-colored Junco, 50; Am. Tree Sparrow, 25; **Chipping Sparrow,** 1; Harris's Sparrow, 12; White-crowned Sparrow, 1; Song Sparrow, 1; Lapland Longspur, 200. **Total,** 44 species; about 1626 individuals.—Mrs. A. M. Brooking, Mrs. A. M. Jones (compiler), Burton Nelson.

434. **Kearney, Nebr.** (5-mile radius centered at west part of Kearney, including Kearney Lake, Kearney Cemetery, Cottonmill Lake, Platte River; deciduous woodland 40%, cemetery 15%, river edge 5%, roadsides 40%).—Jan. 1; 7:40 a.m. to 4:25 p.m.

Clear; temp. −8° to 12°; wind NW, 5 m.p.h.; ground with 6-in. snow, river half open. Four observers in 1 party. Total party-hours, 8¼ (3 on foot, 5¼ by car); total party-miles, 40 (4 on foot, 36 by car). Red-tailed Hawk, 1; Marsh Hawk, 1; Mourning Dove, 26; Horned Owl, 3; Yellow-shafted Flicker, 12; Red-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 150; Blue Jay, 2; Am. Magpie, 8; Am. Crow, 5; Black-capped Chickadee, 18; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 5; Brown Creeper, 2; **Brown Thrasher, 1**; Am. Robin, 139; Golden-crowned Kinglet, 9; Common Starling, 122; House Sparrow, 173; Western Meadowlark, 70; Red-winged Blackbird, 1500; Cardinal, 6; Purple Finch, 5; Pine Siskin, 100; Am. Goldfinch, 3; Slate-colored Junco, 134; Oregon Junco, 18; Am. Tree Sparrow, 394; Harris's Sparrow, 24; White-crowned Sparrow, 3; Song Sparrow, 10. **Total,** 33 species; about 2964 individuals.—Mr. and Mrs. John C. Bliese (compilers), Mr. and Mrs. Chris Hansen.

435. Lincoln, Nebr. (as last year 7½-mile radius centering at 14th and A Streets).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. −5° to 24°; wind calm; 5-in. snow cover, creeks partly open, ponds frozen. Fourteen observers in 3 parties. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 179 (12 on foot, 167 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 4; Mourning Dove, 3; Short-eared Owl, 1; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 14; Horned Lark, 210; Blue Jay, 18; Am. Crow, 30; Black-capped Chickadee, 77; Tufted Titmouse, 7; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 39; Brown Creeper, 19; Brown Thrasher, 1; Am. Robin, 5; Golden-crowned Kinglet, 65; Cedar Waxwing, 27; Loggerhead Shrike, 1; Common Starling, 200; House Sparrow, 1310; meadowlark (sp.), 76; Western Meadowlark, 1; Purple Grackle, 25; Cardinal, 60; Purple Finch, 21; Pine Siskin, 9; Am. Goldfinch, 51; **White-winged Crossbill, 3**; Slate-colored Junco, 223; Am. Tree Sparrow, 21; Field Sparrow, 1; Harris's Sparrow, 57; Song Sparrow, 12. **Total,** 40 species; about 2636 individuals. (Seen count period: Mallard, Horned Owl, Red-winged Blackbird, Evening Grosbeak, Lapland Longspur.)—Henry E. Baumgarten, Howard P. Doole, Mrs. W. A. Fleming, Mrs. O. E. Jerner, Mr. and Mrs. George W. Keim, Mrs. C. G. Pritchard, C. G. Pritchard (compiler), Mr. and Mrs. G. A. Spidel, Mr. and Mrs. H. V. Whitmus, Don Williams, Bertha C. Winter (Audubon Naturalists' Club and University Place Bird Club).

436. Scottsbluff, Nebr. (Riverside Park, Riverview Golf Course west along river, north to Tub Springs, east to cemetery, northeast to lake country, south to Badlands, Gering Cemetery; pasture 25%, deciduous growth 35%, hilly terrain 10%, water 25%, conifers 3%, town 2%).—Dec. 21; 7 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 28° to 57°; wind E to SE, 6 m.p.h.; ponds frozen, lakes partly frozen, streams open. Thirteen observers in 6 parties. Total party-hours, 40 (6 on foot, 34 by car); total party-miles, 215 (10 on foot, 205 by car). White Pelican, 1; Canada Goose, 8; Mallard, 17,313; Pintail, 6; Am. Golden-eye, 8; Am. Merganser, 1; Rough-legged Hawk, 5; Golden Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 3; Bob-white, 35; Ring-necked Pheasant, 14; Killdeer, 9; Wilson's Snipe, 2; Ring-billed Gull, 1; Mourning Dove, 3; Horned Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 36; Hairy Woodpecker, 2; Downy Woodpecker, 26; Horned Lark, 50; Blue Jay, 14; Am. Magpie, 119; Am. Crow, 7; Black-capped Chickadee, 74; Red-breasted Nuthatch, 8; Am. Robin, 404; Townsend's Solitaire, 9; Cedar Waxwing, 26; Loggerhead Shrike, 1; Common Starling, 340; Orange-crowned Warbler, 1; House Sparrow, 1185; Western Meadowlark, 98; Red-winged Blackbird, 963; Brewer's Blackbird, 4; Evening Grosbeak, 1; Cassin's Finch, 6; House Finch, 14; Common Redpoll, 22; Pine Siskin, 200; Am. Goldfinch, 389; Clay-colored Sparrow, 3; Vesper Sparrow, 28; Slate-colored Junco, 50; Oregon Junco, 173; Am. Tree Sparrow, 240; Chipping Sparrow, 26; Field Sparrow, 8; White-crowned Sparrow, 15; Song Sparrow, 3. **Total,** 52 species; 21,965 individuals. (Seen count period: Bullock's Oriole.) [Highest count from Nebraska marred by lack of details for the several unusual observations—Ed.] —Mr. and Mrs. Frank H. Anderson (compiler), Mr. and Mrs. S. R. Young, Mrs. S. C. Meseraull, Mrs. John Robb, Mary Ann Wake, Mrs. M. A. J. Olson, Lydia Bolz, Mrs. Roy J. Witschy, Mrs. P. Cooper Ellis, Mrs. J. W. Brashear, Mrs. Carl F. Franzen.

437. Baldwin, Kans. (same area as previous years).—Dec. 27; 7:30 a.m. to 5:15 p.m. Partly cloudy; temp. 25° to 35°; wind S to NW, 25-35 m.p.h.; lakes and creeks partly frozen. Ten observers in 4 parties. Total party-hours, 23 (13 on foot, 10 by car); total party-miles, 125 (12 on foot, 113 by car). Lesser Scaup, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 48; Harlan's Hawk, 3; Rough-legged Hawk, 3; Marsh Hawk, 6; Sparrow Hawk, 8; Bob-white, 19; Mourning Dove, 6; Screech Owl, 1; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 33; Red-shafted Flicker, 2; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 39; Horned Lark, 17; Blue Jay, 65; Am. Crow, 137; Black-capped Chickadee, 97; Tufted Titmouse, 46; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 13; Mockingbird, 7; Am. Robin, 65; Eastern Bluebird, 29; Golden-crowned Kinglet, 6; Cedar Waxwing, 34; Loggerhead Shrike, 6; Common Starling, 586; Myrtle Warbler, 1; House Sparrow, 1107; Eastern Meadowlark, 2; Western Meadowlark, 15; meadowlark (sp.), 86; Red-winged Blackbird, 20; Purple Grackle, 1; Cardinal, 197; Purple Finch, 18; Pine Siskin, 3; Am. Goldfinch, 36; Spotted Towhee, 1; Slate-colored Junco, 478; Oregon Junco, 2; Am. Tree Sparrow, 300; Harris's Sparrow, 81; White-crowned Sparrow,

13; White-throated Sparrow, 2; Song Sparrow, 5; Lapland Longspur, 50. **Total,** 56 species; about 3767 individuals.—Amelia Betts, Mr. and Mrs. Ivan L. Boyd (compilers), Roger Boyd, Mr. and Mrs. T. A. Evans, Mrs. Chester Gates, Katharine Kelley, Mrs. Francis McKaughan, R. F. Miller (Baldwin Bird Club).

438. Halstead, Kans. (7½-mile radius centered 1 mile west of Halstead, chiefly along Little Arkansas River and Emma Creek; wooded and weedy river and creek 66%, hedgerows 5%, town and cemetery 1%, farmland and meadow 28%).—Dec. 27; 7:45 a.m. to 5:30 p.m. Clear to drizzly to clearing; temp. 43° to 45°; wind S, 25-30 m.p.h.; ground and streams open. Ten observers in 4 parties. Total party-hours, 33 (18 on foot, 15 by car); total party-miles, 152 (12 on foot, 140 by car). Mallard, 59; Green-winged Teal, 4; Sharp-shinned Hawk, 3; Red-tailed Hawk, 25; Rough-legged Hawk, 14; Marsh Hawk, 64; Sparrow Hawk, 7; **Swainson's Hawk, 2** (carefully identified); Bob-white, 9; Ring-necked Pheasant, 13; Killdeer, 1; Mourning Dove, 13; Horned Owl, 8; Belted Kingfisher, 2; Yellow-shafted Flicker, 19; Red-shafted Flicker, 1; Red-bellied Woodpecker, 19; Hairy Woodpecker, 9; Downy Woodpecker, 23; Horned Lark, 858; Blue Jay, 3; Am. Crow, 229; Black-capped Chickadee, 110; Tufted Titmouse, 27; Red-breasted Nuthatch, 1; Brown Creeper, 20; Winter Wren, 3; Carolina Wren, 3; Mockingbird, 1; Am. Robin, 213; Eastern Bluebird, 2; Townsend's Solitaire, 1; Golden-crowned Kinglet, 33; Cedar Waxwing, 6; Loggerhead Shrike, 3; Common Starling, 626; House Sparrow, 723; Eastern Meadowlark, 2; Western Meadowlark, 134; Red-winged Blackbird, 331; Purple Grackle, 6; Cardinal, 35; Purple Finch, 32; Am. Goldfinch, 3; Spotted Towhee, 6; Slate-colored Junco, 155; Oregon Junco, 3; Am. Tree Sparrow, 264; Harris's Sparrow, 672; Song Sparrow, 2. **Total,** 50 species; about 4802 individuals. (Seen during period: Screech Owl, Yellow-bellied Sapsucker, Pine Siskin.)—Galen and Steve Abbott, Joan Challans, Marie Dettweiler, Eunice Goode, Ruth Rose, Alma K. Ruth, Edna L. Ruth (compiler), Bill and Millie Stein.

439. Hays, Kans. (campus of Ft. Hays State College, Experiment Station, prairie and riverbanks southwest of Hays).—Dec. 30; 7:30 a.m. to 5 p.m. Partly cloudy, snow flurries; temp. 21° to 33°; wind SE, 10 m.p.h. Eight observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 160 (30 on foot, 130 by car). Double-crested Cormorant, 20; Mallard, 5; Sharp-shinned Hawk, 1; Marsh Hawk, 17; Sparrow Hawk, 5; Ring-necked Pheasant, 3; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 8; Horned Lark, 1000; Am. Crow, 124; Black-capped Chickadee, 11; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 45; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Cedar Waxwing, 2; Common Starling, 104; House Sparrow, 400; Western Meadowlark, 4; Cardinal, 5; Spotted Towhee, 4; Slate-colored Junco, 37; Oregon Junco, 1; Am. Tree Sparrow, 41; Chipping Sparrow, 9; Harris's Sparrow, 93; White-crowned Sparrow, 18; Song Sparrow, 16; Lapland Longspur, 270. **Total,** 34 species; about 2263 individuals.—Charles Choguill, Harold Choguill, Chris Cunningham, James Long, Edwin Martin (compiler), Gerald Tomaneck, Paul Ward, Dwight Wooster.

440. Lawrence, Kans. (same area as past years).—Dec. 29; 7:30 a.m. to 5 p.m. Clear; temp. 36° to 55°; wind S, 12-16 m.p.h.; ground dry, water open. Five observers in 3 parties. Total party-hours, 24 (6 on foot, 18 by car); total party-miles, 153 (13 on foot, 140 by car). Canada Goose, 1; Mallard, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 34; Harlan's Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 4; Mourning Dove, 3; Horned Owl, 5; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 28; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 18; Horned Lark, 81; Blue Jay, 16; Am. Crow, 48; Black-capped Chickadee, 108; Tufted Titmouse, 34; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 1; Am. Robin, 23; Hermit Thrush, 1; Eastern Bluebird, 44; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 5; Common Starling, 786; House Sparrow, 236; Eastern Meadowlark, 8; Western Meadowlark, 1; Cardinal, 114; Purple Finch, 5; Pine Siskin, 1; Am. Goldfinch, 69; Spotted Towhee, 1; Slate-colored Junco, 137; Oregon Junco, 1; Am. Tree Sparrow, 142; Field Sparrow, 4; Harris's Sparrow, 87; Song Sparrow, 7. **Total,** 50 species; about 2114 individuals.—Mrs. Ethan Allen, Bert S. Chewning (compiler), Helen M. Chewning, Henry S. Fitch, Mrs. John H. Nelson.

441. Linn County, Kans. (same area as previous years).—Dec. 29; 5:30 a.m. to 5:30 p.m.; temp. 34° to 48°; wind SSW, 0-10 m.p.h.; lakes and streams clear. Eight observers in 5 parties. Total party-hours, 29 (15 on foot, 14 by car); total party-miles, 141 (17 on foot, 124 by car). Pied-billed Grebe, 1; **Great Blue Heron, 1**; Mallard, 40,000; Black Duck, 2; Pintail, 8; Wood Duck, 11; Am. Merganser, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 53; Red-shouldered Hawk, 4; Rough-legged Hawk, 3; Golden Eagle, 1; Marsh Hawk, 11; Sparrow Hawk, 2; Bob-white, 35; Am. Coot, 1; Mourning Dove, 48; Barn Owl, 1; Horned Owl, 11; Barred Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 44; Red-shafted Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 52; Hairy Woodpecker, 10; Downy Woodpecker, 37; Blue Jay, 87; Am. Crow, 75; Black-capped Chickadee, 112; Tufted Titmouse, 46; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 13; Mockingbird, 15; Am. Robin, 64; Eastern Bluebird, 32; Cedar Waxwing, 31; Loggerhead Shrike, 19; Common Starling, 97; House Sparrow, 596; Eastern

Meadowlark, 34; Western Meadowlark, 173; Red-winged Blackbird, 185; Brewer's Blackbird, 2; Purple Grackle, 6; Cardinal, 253; Purple Finch, 27; Pine Siskin, 12; Am. Goldfinch, 96; Slate-colored Junco, 241; Oregon Junco, 2; Am. Tree Sparrow, 256; Field Sparrow, 14; Harris's Sparrow, 47; White-crowned Sparrow, 5; White-throated Sparrow, 8; Fox Sparrow, 3; Lincoln's Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 35. **Total,** 64 species; about 42,991 individuals. (Seen count period: Greater Prairie Chicken, Yellow-bellied Sapsucker.)—Eunice Dingus (compiler), Wilson Dingus, Marshall Fauhl, Ruth Fauhl, Blanche McCaslin, Wallace McCaslin, Marvin Schwilling, Frank Wood (Linn County Audubon Society).

442. Manhattan, Kans. (7½-mile radius centered on Kansas State College campus; open grassland 40%, cultivated fields 5%, brushland 5%, woods 45%, lake and river 5%).—Dec. 28; 6:30 a.m. to 5 p.m. Clear; temp. 17° to 40°; wind S, 0-5 m.p.h.; creeks and rivers open, no snow. Five observers in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 52 (12 on foot, 40 by car). Mallard, **1000**; Red-tailed Hawk, **10**; Rough-legged Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 4; Greater Prairie Chicken, 4; Bob-white, **70**; Killdeer, **2**; Mourning Dove, **26**; Horned Owl, 3; Barred Owl, 1; Yellow-shafted Flicker, **27**; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 13; Horned Lark, 8; Blue Jay, 11; Am. Crow, 30; Black-capped Chickadee, 34; Tufted Titmouse, 16; White-breasted Nuthatch, **2**; Red-breasted Nuthatch, **3**; Brown Creeper, 6; Carolina Wren, 8; Mockingbird, 1; Am. Robin, **1200**; Eastern Bluebird, **46**; Golden-crowned Kinglet, 3; Cedar Waxwing, **170**; Loggerhead Shrike, 1; Common Starling, 26; **Myrtle Warbler, 2** (rechecked next day); House Sparrow, 150; Eastern Meadowlark, 60; Western Meadowlark, 35; Brown-headed Cowbird, **40**; Cardinal, 52; Purple Finch, **20**; Pine Siskin, 7; Am. Goldfinch, 88; Slate-colored Junco, 220; Am. Tree Sparrow, **585**; Field Sparrow, 1; Harris's Sparrow, 158; Song Sparrow, 12. **Total,** 47 species; about 4184 individuals.—E. K. Beals, Donald Gier, H. T. Gier, E. R. Lewis (compiler), P. H. Marvin.

443. Olathe, Kans. (7½-mile radius centering at Gardner Lake, including old and new Olathe Lakes and Reservoir; wooded creeks and wasteland 52%, open fields and fencerows 30%, lakeshore 15%, town and suburbs 3%).—Jan. 1; 7:45 a.m. to 5:15 p.m. Clear; temp. 5° to 25°; wind NW, 2-10 m.p.h.; creeks and lakes frozen, 2-in. snow. Nine observers in 3 parties. Total party-hours, 22 (8 on foot, 14 by car); total party-miles, 134 (13 on foot, 121 by car). Snow Goose, 20; Blue Goose, 15; Mallard, 1; Cooper's Hawk, 2; Red-tailed Hawk, 37; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 3; Bob-white, 45; Wilson's Snipe, 2; Mourning Dove, 24; Horned Owl, 8; Belted Kingfisher, 3; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 24; Horned Lark, 183; Blue Jay, 18; Am. Crow, 108; Black-capped Chickadee, 35; Tufted Titmouse, 21; Red-breasted Nuthatch, 2; Carolina Wren, 2; Mockingbird, 10; Am. Robin, 27; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Loggerhead Shrike, 14; Common Starling, 3101; House Sparrow, 1038; Eastern Meadowlark, 117; Western Meadowlark, 4; meadowlark (sp.), 327; Brown-headed Cowbird, 2; Cardinal, 186; Purple Finch, 8; Am. Goldfinch, 31; Slate-colored Junco, 377; Oregon Junco, 3; Am. Tree Sparrow, 108; Field Sparrow, 1; Harris's Sparrow, 33; Song Sparrow, 13; Lapland Longspur, 96. **Total,** 45 species; about 6105 individuals.—Amelia Betts, Mr. and Mrs. Ivan L. Boyd (compilers), Roger Boyd, Katharine Kelley, Mrs. Francis McKaughan, J. C. Matthews, R. F. Miller, Ray Wackly.

444. Topeka, Kans. (same area covered since 1947).—Dec. 28; 8 a.m. to 5 p.m. Clear to slight overcast; temp. 23° to 48°; wind S to SSW, 10-15 m.p.h.; heavy frost, creeks and small ponds frozen. Twenty-two observers in 8 parties. Total party-hours, 105 (80 on foot, 25 by car); total party-miles, 180 (29 on foot, 151 by car). **Eared Grebe, 1** (present since Nov.); Pied-billed Grebe, 2; Mallard, 2500; Black Duck, 2; Gadwall, 4; Am. Widgeon, 3; Pintail, 5; Green-winged Teal, 3; Lesser Scaup, 1; Am. Golden-eye, 2; Hooded Merganser, 3; Am. Merganser, 92; Cooper's Hawk, 1; Red-tailed Hawk, 18; Rough-legged Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 7; Greater Prairie Chicken, 9; Bob-white, 55; Am. Coot, 15; Killdeer, 3; Herring Gull, 3; Ring-billed Gull, 2; Mourning Dove, 3; Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 16; Horned Lark, 20; Blue Jay, 19; Am. Crow, 23; Black-capped Chickadee, 14; Tufted Titmouse, 22; Red-breasted Nuthatch, 5; Brown Creeper, 3; Carolina Wren, 4; Mockingbird, 1; Brown Thrasher, 2; Am. Robin, 49; Eastern Bluebird, 23; Townsend's Solitaire, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Loggerhead Shrike, 1; Common Starling, 3000; House Sparrow, 550; Eastern Meadowlark, 32; Western Meadowlark, 25; Brown-headed Cowbird, 10; Cardinal, 34; Purple Finch, 5; Pine Siskin, 2; Am. Goldfinch, 121; Spotted Towhee, 1; Slate-colored Junco, 91; Am. Tree Sparrow, 72; Field Sparrow, 1; Harris's Sparrow, 54; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 65 species; about 6987 individuals.—John Pat Atkinson, L. B. Carson (compiler), Mary Collins, Elizabeth Fisher, Roberta Foote, Gerard Haigh, Dorothy Harvey, Mr. and Mrs. C. H. Hogue, Marvin Kuehn, Mrs. Charles Martin, Mrs. Fred Martin, Florence McKinney, Pearl Maus, Mrs. Nyle Miller, Clyde R. Morris, T. W. Nelson, Mrs. Paul Newbolt, Orville O. Rice, Mrs. L. G. Thorpe, Eugene Willet, Harold Williams (Topeka Audubon Society).

445. Udall, Kans. (7½-mile radius centered at water tower in Udall; grassland 2%, open fields 5%, brushland 27%, woods 30%, riverbottom 36%).—

Dec. 28; 7:30 a.m. to 5 p.m. Clear to cloudy; temp. 21° to 50°; wind S, 5-10 m.p.h. Three observers in 1 party. Total party-hours, 9½ (7½ on foot, 2 by car); total party-miles, 47 (6 on foot, 41 by car). **Great Blue Heron, 1**; Cooper's Hawk, 2; Red-tailed Hawk, 16; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 4; Bob-white, 37; Mourning Dove, 2; Horned Owl, 3; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 34; Horned Lark, 5; Blue Jay, 11; Am. Crow, 38; Black-capped Chickadee, 49; Carolina Chickadee, 2; Tufted Titmouse, 49; White-breasted Nuthatch, 1; Carolina Wren, 4; Mockingbird, 5; Am. Robin, 9; Eastern Bluebird, 5; Golden-crowned Kinglet, 6; Cedar Waxwing, 20; Loggerhead Shrike, 5; Common Starling, 50; House Sparrow, 178; Eastern Meadowlark, 2; Western Meadowlark, 2; meadowlark (sp.), 96; Red-winged Blackbird, 524; Cardinal, 56; **Purple Finch, 2**; Pine Siskin, 5; Am. Goldfinch, 23; [Eastern Towhee, 1 + Spotted Towhee, **87**]; Savannah Sparrow, 2; Slate-colored Junco, 235; Oregon Junco, 6; Am. Tree Sparrow, 251; Field Sparrow, 5; Harris's Sparrow, 594; White-crowned Sparrow, 22; White-throated Sparrow, 24; Song Sparrow, 84. **Total,** 48 species (1 additional subspecies); about 2584 individuals. (Seen count week: **Bewick's Wren, Ruby-crowned Kinglet.**)—Kirk Downing, Max Thompson (compiler), Herbert Warfel.

446. Wichita, Kans. (15-mile diameter centered at junction of Big and Little Arkansas Rivers; city parks, river banks, sloughs, ponds, pastures, creeks, woods).—Dec. 28; 7:30 a.m. to 5:30 p.m.; temp. 30° to 50°; wind SSE, 10 m.p.h. Seventeen observers in 4 parties. Total party-hours, 33 (25 on foot, 8 by car); total party-miles, 225 (45 on foot, 180 by car). Pied-billed Grebe, 2; Mallard, 14; Pintail, 7; Red-tailed Hawk, 15; Harlan's Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 36; Sparrow Hawk, 17; Bob-white, 2; Ring-necked Pheasant, 1; Am. Coot, 8; Killdeer, 46; Wilson's Snipe, 29; **Least Sandpiper, 1** (carefully identified); gull (sp.), 1; Horned Owl, 9; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Red-shafted Flicker, 2; Red-bellied Woodpecker, 5; Hairy Woodpecker, 16; Downy Woodpecker, 19; Horned Lark, 650; Blue Jay, 1; Am. Crow, 250; Black-capped Chickadee, 97; Carolina Chickadee, 2; Tufted Titmouse, 22; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 9; Brown Creeper, 13; Winter Wren, 1; **Bewick's Wren, 1**; Carolina Wren, 7; Mockingbird, 2; Am. Robin, 57; Golden-crowned Kinglet, 19; **Water Pipit, 2**; Cedar Waxwing, 1; Loggerhead Shrike, 8; Common Starling, 6544; House Sparrow, 3526; Eastern Meadowlark, 5; Western Meadowlark, 21; meadowlark (sp.), 509; Brewer's Blackbird, 4; Brown-headed Cowbird, 10; Cardinal, 41; Am. Goldfinch, 146; [Eastern Towhee, 2 + Spotted Towhee, 15]; **Lark Sparrow, 2**; Slate-colored Junco, 239; Oregon Junco, 3; Am. Tree Sparrow, 399; Harris's Sparrow, 319; Song Sparrow, 118; Lapland Longspur, 500. **Total,** 56 species (1 additional subspecies); about 13,798 individuals.—J. Walker Butin, Kirk Downing (compiler), Harry L. Hobson, John C. Hawk, Carl S. Holmes, Mrs. Carl S. Holmes, David Holmes, Denise Holmes, Mrs. Geneva Kingkade, June Rynders, William James Stark, Max Thompson, Jennibelle Watson, Louise Watson, Ralph Wiley, Elmer T. Woolsey, Mrs. Louise Woolsey.

447. Fort Gibson Reservoir, Okla. (same area as past 4 years; lake and river 25%, deciduous woodlands 45%, open prairie 20%, agricultural 10%).—Dec. 22; 6:30 a.m. to 6 p.m. Clear; temp. 44° to 68°; wind SSE, 5-20 m.p.h. Five observers in 2 parties. Total party-hours, 26 (19 on foot, 7 by car); total party-miles, 78 (8 on foot, 70 by car). Horned Grebe, 8; **Western Grebe, 1**; Pied-billed Grebe, 1; **White Pelican, 2** (present since early summer); Great Blue Heron, 21; Mallard, 200; Pintail, 3; Am. Golden-eye, **300**; Hooded Merganser, 4; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 11; Bald Eagle, 9; Marsh Hawk, 7; Sparrow Hawk, 7; Greater Prairie Chicken, 15; Killdeer, 6; Wilson's Snipe, 6; Herring Gull, 11; Ring-billed Gull, 600; Mourning Dove, 8; Road-runner, 1; Horned Owl, 6; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Red-shafted Flicker, 4; Pileated Woodpecker, 4; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 11; Horned Lark, 150; Blue Jay, 26; Am. Crow, 300; Carolina Chickadee, 29; Tufted Titmouse, 43; White-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 5; Bewick's Wren, 1; Carolina Wren, 24; Mockingbird, 4; **Brown Thrasher, 2**; Am. Robin, 63; Hermit Thrush, 1; Eastern Bluebird, 61; Golden-crowned Kinglet, 19; Water Pipit, 8; Cedar Waxwing, 45; Loggerhead Shrike, 25; Common Starling, 400; Myrtle Warbler, 4; House Sparrow, 130; Eastern Meadowlark, 6; Western Meadowlark, 3; meadowlark (sp.), 180; Red-winged Blackbird, 1500; Rusty Blackbird, 150; Cardinal, 57; Purple Finch, 10; Am. Goldfinch, 160; Spotted Towhee, 2; Savannah Sparrow, 8; Leconte's Sparrow, 2; Slate-colored Junco, 133; Am. Tree Sparrow, 78; Field Sparrow, 56; Harris's Sparrow, 30; White-crowned Sparrow, 23; White-throated Sparrow, 59; Lincoln's Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 21. **Total,** 72 species; about 5099 individuals. (Seen count period: Blue Goose, Buffle-head, Red-shouldered Hawk, Rough-legged Hawk, Red-breasted Nuthatch, Ruby-crowned Kinglet, Brewer's Blackbird, Brown-headed Cowbird, Fox Sparrow.)—Forrest Bebb, James L. Norman (compiler), Jack E. Randall, Vaud A. Travis, Jr., Mrs. Vaud A. Travis, Jr.

448. Norman, Okla. (same area as last year; weedy floodplain with open sand 12%, ponds and small lakes 3%, cultivated land 5%, open prairie and pastures 30%, oak scrub forest 20%, elm–cottonwood–pecan bottomland 15%, brushy roadsides 15%).—Dec. 21; 7 a.m. to 5:30 p.m. Clear; temp. 30° to 65°; wind S, 5-20 m.p.h.; ground dry, water open, ponds full. Eighteen observers in 2-5 parties (some observers only part of day). Total party-hours, 33 (24 on foot, 9 by car); total party-miles, 122 (15 on

foot, 107 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 26; Pintail, 8; Sharp-shinned Hawk, 1; Red-tailed Hawk, 18; Harlan's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 10; **Prairie Falcon,** 1; Sparrow Hawk, 2; Bob-white, 7; Am. Coot, 2; Killdeer, 9; Wilson's Snipe, 22; Mourning Dove, 26; Screech Owl, 1; **Burrowing Owl,** 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 25; Red-shafted Flicker, 4; flicker (sp.), 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 29; Horned Lark, 118; Blue Jay, 175; Am. Crow, 224; Carolina Chickadee, 71; Tufted Titmouse, 105; Brown Creeper, 8; Bewick's Wren, 14; Carolina Wren, 17; Mockingbird, 6; Brown Thrasher, 4; Am. Robin, 119; Hermit Thrush, 1; Eastern Bluebird, 85; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; **Sprague's Pipit, 2**; Cedar Waxwing, 7; Loggerhead Shrike, 14; Common Starling, 19; Myrtle Warbler, 6; House Sparrow, 205; Eastern Meadowlark, 2; Western Meadowlark, 18; meadowlark (sp.), 216; Red-winged Blackbird, 655; Rusty Blackbird, 184; Brown-headed Cowbird, 20; blackbird (sp.), 500; Cardinal, 108; Purple Finch, **196**; Pine Siskin, **53**; Am. Goldfinch, **667**; [Eastern Towhee, 1 + Spotted Towhee, 24]; Savannah Sparrow, 71; Leconte's Sparrow, 5; **Lark Sparrow,** 1 (H.C.); Slate-colored Junco, 56; Oregon Junco, 4 (incl. Pink-sided); **Gray-headed Junco,** 1 (S.D.); Am. Tree Sparrow, 18; Field Sparrow, 76; Harris's Sparrow, 337; White-crowned Sparrow, 11; White-throated Sparrow, 96; Fox Sparrow, 4; Lincoln's Sparrow, 12; Swamp Sparrow, 1; Song Sparrow, 147; Chestnut-collared Longspur, 6. **Total,** 74 species (2 additional subspecies); about 4982 individuals. (Seen in area count period: Short-eared Owl, Lapland Longspur.) [Excellent details submitted for all unusual observations—Ed.]—Donald Baepler, Harley Brown, Howard Clemens, Mrs. Harold S. Cooksey, Marvin Davis (compiler), Sandra Davis, Beatrice Frank, Robert Frank, Hugh Land, Charles Saunders, George M. Sutton, Ruth Updegraff (Cleveland County Bird Club).

449. Oklahoma City, Okla. (same area as previous years).—Dec. 21; 7 a.m. to 5:30 p.m. Clear; temp. 32° to 65°; wind S to SE, 12 m.p.h.; no snow, water open but rough at times. Eleven observers in 3 parties. Total party-hours, 16 (9 on foot, 7 by car); total party-miles, 184 (17 on foot, 167 by car). Common Loon, 1; Pied-billed Grebe, 1; Great Blue Heron, 6; Mallard, 285; Gadwall, 57; Redhead, 4; Ruddy Duck, 3; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 8; Am. Coot, 7; Killdeer, 8; Ring-billed Gull, 200; Franklin's Gull, 1; Mourning Dove, 4; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Red-shafted Flicker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 10; Am. Crow, 19; Carolina Chickadee, 7; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 1; Am. Robin, 23; Eastern Bluebird, 37; Golden-crowned Kinglet, 2; Cedar Waxwing, 2; Loggerhead Shrike, 2; Common Starling, 12; Orange-crowned Warbler, 1; Myrtle Warbler, 5; House Sparrow, 24; Eastern Meadowlark, 77; Red-winged Blackbird, 35; Brown-headed Cowbird, 5; Cardinal, 15; Purple Finch, 21; Am. Goldfinch, 96; Spotted Towhee, 21; Slate-colored Junco, 27; Am. Tree Sparrow, 8; Field Sparrow, 2; Harris's Sparrow, 43; White-throated Sparrow, 11; Song Sparrow, 2. **Total,** 54 species; about 1140 individuals. (Seen in area count period: **Western Grebe,** Am. Merganser.)—Allen Greer, David Moore, Sam Moore, Peter Russo, Eliot Stanley (compiler).

450. Salt Plains National Wildlife Refuge, Okla. (7½-mile radius centering at Refuge Headquarters, including dam spillway and Salt Fork River, east side of lake north to State Fish Hatchery, south side to Lindsley Place, west side to include west of Sand Creek; Lake 50%, agricultural land 20%, deciduous woodland 20%, grassland 10%).—Dec. 28; 7:45 a.m. to 6:30 p.m. Clear; temp. 30° to 50°; wind SW, 10-15 m.p.h.; waters open. Eight observers in 3 parties. Total party-hours, 28 (6 on foot, 22 by car); total party-miles, 70 (4 on foot, 53 by car, 13 by boat). Horned Grebe, 3; Great Blue Heron, 44; Canada Goose, 8700; Snow Goose, 8; Blue Goose, 3; Mallard, 37,000; Gadwall, 1500; Am. Widgeon, 7; Pintail, 200; Green-winged Teal, 2500; Shoveller, 2000; Redhead, 2; Ring-necked Duck, 1; Lesser Scaup, 5; Am. Golden-eye, 17; Buffle-head, 2; Ruddy Duck, 2; Hooded Merganser, 5; Am. Merganser, 7500; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Golden Eagle, 5; Bald Eagle, 6; Marsh Hawk, 11; Bob-white, 18; Ring-necked Pheasant, 4; Turkey, 2; Am. Coot, 13; Wilson's Snipe, 1; Herring Gull, 36,000; Ring-billed Gull, 9000; Mourning Dove, 8; Horned Owl, 8; Belted Kingfisher, 4; Yellow-shafted Flicker, 23; Red-shafted Flicker, 3; Red-bellied Woodpecker, 11; Hairy Woodpecker, 2; Downy Woodpecker, 14; Blue Jay, 2; Am. Crow, 65; Carolina Chickadee, 51; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Brown Creeper, 7; Bewick's Wren, 8; Carolina Wren, 7; Short-billed Marsh Wren, 2; Brown Thrasher, 1; Am. Robin, 63; Eastern Bluebird, 25; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 5; Common Starling, 14; Myrtle Warbler, 16; House Sparrow, 14; Eastern and Western Meadowlark, 95; Red-winged Blackbird, 695; Cardinal, 85; Purple Finch, 2; Am. Goldfinch, 90; Spotted Towhee, 55; Savannah Sparrow, 2; Vesper Sparrow, 10; Slate-colored Junco, 45; Am. Tree Sparrow, 330; Chipping Sparrow, 1; Field Sparrow, 4; Harris's Sparrow, 436; White-crowned Sparrow, 10; White-throated Sparrow, 18; Song Sparrow, 140. **Total,** 73 species; about 106,962 individuals.—Lyle Byfield, Addie Fromholz, Steve Gier, Lynn Greenwalt (compiler), Florel Helema, Harold Miller, Paul Nighswonger, Bess Smith.

451. Spavinaw, Okla. (area same as past 4 years, Upper and Lower Spavinaw Lakes and surrounding wooded terrain; open lake 15%, wooded creekbottoms

60%, oak–hickory hillsides 10%, fields and pastures 15%).—Jan. 1; 7 a.m. to 6 p.m. Clear; temp. 20° to 38°; wind 0-5 m.p.h.; ponds and protected portions of lake frozen. Two observers in 1 party. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 70 (4 on foot, 66 by car). Pied-billed Grebe, 9; Great Blue Heron, 2; Mallard, 375; Gadwall, 23; Am. Widgeon, 10; Pintail, 2; Green-winged Teal, 4; Lesser Scaup, 1; Am. Golden-eye, 40; Am. Merganser, 80; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Am. Coot, 75; Killdeer, 4; Wilson's Snipe, 1; Herring Gull, 2; Ring-billed Gull, 400; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Pileated Woodpecker, 6; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 77; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 13; Blue Jay, 38; Am. Crow, 98; Carolina Chickadee, 45; Tufted Titmouse, 23; White-breasted Nuthatch, 10; Bewick's Wren, 1; Carolina Wren, 24; Mockingbird, 1; Am. Robin, 7; Eastern Bluebird, 20; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 8; Common Starling, 40; Myrtle Warbler, 10; House Sparrow, 200; Eastern Meadowlark, 8; meadowlark (sp.), 75; Cardinal, 80; Purple Finch, 25; Am. Goldfinch, 235; Spotted Towhee, 1; Slate-colored Junco, 300; Harris's Sparrow, 2; White-throated Sparrow, 36; Lincoln's Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 15. **Total,** 57 species; about 2484 individuals.—James L. Norman (compiler), Vaud A. Travis, Jr.

452. Stillwater, Okla. (same area as in previous years but coverage of Lake Carl Blackwell more complete).—Jan. 1; 6:30 a.m. to 5:30 p.m. Clear; temp. 28° to 43°; wind SE to SSW, 6-11 m.p.h.; ponds and lakes full. Seven observers in 4 parties. Total party-hours, 17 (10 on foot, 4 by car, 3 by boat); total party-miles, 84 (10 on foot, 64 by car, 10 by boat). Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 131; Gadwall, 10; Pintail, 1; Green-winged Teal, 1; Am. Merganser, 155; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Harlan's Hawk, 1; Rough-legged Hawk, 1; buteo (sp.), 6; Marsh Hawk, 8; Sparrow Hawk, 1; Bob-white, 22; Am. Coot, 1; Wilson's Snipe, 1; Ring-billed Gull, 10; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 1; Blue Jay, 30; Am. Crow, 36; Carolina Chickadee, 10; Tufted Titmouse, 9; White-breasted Nuthatch, 5; **Red-breasted Nuthatch,** 3; Bewick's Wren, 5; Carolina Wren, 2; Am. Robin, 91; Eastern Bluebird, 23; Loggerhead Shrike, 5; Common Starling, 185; Myrtle Warbler, **10**; House Sparrow, 132; Eastern and Western Meadowlark, 178; Red-winged Blackbird, 43; Rusty Blackbird, 159; Brewer's Blackbird, 127; Cardinal, 23; Purple Finch, 170; Pine Siskin, 2; Am. Goldfinch, 39; Spotted Towhee, 6; Savannah Sparrow, 2; Slate-colored Junco, 55; Am. Tree Sparrow, 753; Field Sparrow, 6; Harris's Sparrow, 208; White-crowned Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 26. **Total,** 60 species; about 2771 individuals.—F. M. Baumgartner (compiler), Mrs. F. M. Baumgartner, Daude W. Griffin, Bill Heard, Mrs. Colly Hitt, Perry Magee, Mrs. Marjorie Stuart (Payne County Audubon Society).

453. Tulsa, Okla. (same area as 1955).—Dec. 29; 8 a.m. to 5:30 p.m. Clear; temp. 33° to 59°; wind S, 0-6 m.p.h.; lakes and lagoons with ample water. Twenty-eight observers in 8 parties. Total party-hours, 52 (42 on foot, 10 by car); total party-miles, 89 (37 on foot, 52 by car). Great Blue Heron, 15; Mallard, 862; Black Duck, 1; Gadwall, 1; **Blue-winged Teal, 5** (L.J.); **Wood Duck, 4**; Lesser Scaup, 1; Am. Golden-eye, 8; Hooded Merganser, 2; Am. Merganser, 400; Red-tailed Hawk, 7; Harlan's Hawk, 1; Red-shouldered Hawk, 5; Bald Eagle, 3; Marsh Hawk, 8; Sparrow Hawk, 8; Bob-white, 49; Am. Coot, 1; Killdeer, 15; **Spotted Sandpiper, 1** (J.G., Mrs. B.R.); Herring Gull, 1; Ring-billed Gull, 6; Mourning Dove, 4; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 47; Red-shafted Flicker, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 62; Red-headed Woodpecker, 227; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 69; Horned Lark, 15; Blue Jay, 203; Am. Crow, 117; Carolina Chickadee, 168; Tufted Titmouse, 164; White-breasted Nuthatch, 20; Brown Creeper, 24; Carolina Wren, 33; Mockingbird, 12; Brown Thrasher, 6; Am. Robin, 87; Hermit Thrush, 5; Eastern Bluebird, 55; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 1; Cedar Waxwing, 6; Loggerhead Shrike, 13; Common Starling, 201; Myrtle Warbler, 2; House Sparrow, 289; Eastern Meadowlark, 260; Western Meadowlark, 3; Red-winged Blackbird, 277; Rusty Blackbird, 252; Brewer's Blackbird, 2; Purple Grackle, 6; Brown-headed Cowbird, 377; blackbird (sp.), 1600; Cardinal, 118; Purple Finch, **231**; Pine Siskin, 7; Am. Goldfinch, 337; [Eastern Towhee, 11 + Spotted Towhee, 19]; Savannah Sparrow, 25; Slate-colored Junco, 282; Oregon Junco, 1; Am. Tree Sparrow, 15; Chipping Sparrow, 2; Field Sparrow, 40; Harris's Sparrow, 315; White-crowned Sparrow, 15; White-throated Sparrow, 230; Fox Sparrow, 45; Lincoln's Sparrow, 3; Swamp Sparrow, 5; Song Sparrow, 188. **Total,** 79 species (1 additional subspecies); about 7943 individuals. (Seen in area count period: Winter Wren.) [Excellent details for all unusual birds—Ed.]—Lea Davis, Hartley Eckstrom, Bob Frank, Mrs. Lucile Fulk, Mrs. G. C. Getgood, John Getgood, Mrs. Roy L. Ginter, Mrs. Mable Hagan, Elton Hall, Letitia Johnston, Mr. and Mrs. D. O. Kassing, Mrs. Ralph Kelting, Constance Kitchen, Mr. and Mrs. C. N. Kosier, Mrs. Orrin W. Letson, Orrin W. Letson (compiler), John G. Newell, Mr. and Mrs. Bruce Reynolds, Bess Smith, Mr. and Mrs. Harold C. Spore, Alfred Steitz, Jr., G. E. Tenney, John S. Tomer, Henry Warford (Tulsa Audubon Society).

454. Wichita Mountains Wildlife Refuge, Okla. (7½-mile radius centering in refuge, including French, Comanche, Grama, Thomas and Parker Lakes,

Fullingim Flat, Cedar Creek, Pecan Springs; lakeshores 10%, creekbottoms 40%, oak and rocky hills 15%, open prairie 35%).—Dec. 27; 6:15 a.m. to 5:30 p.m. Partly cloudy a.m., clear p.m.; temp. 30° to 57°; wind N, up to 25 m.p.h.; lakes and ponds open. Seven observers in 3 parties. Total party-hours, 21 (6 on foot, 15 by car); total party-miles, 199 (7 on foot, 192 by car). Pied-billed Grebe, 9; Great Blue Heron, 3; Mallard, 28; Gadwall, 72; Am. Widgeon, 40; Green-winged Teal, 39; Shoveller, 1; Ring-necked Duck, 59; Canvas-back, 64; Lesser Scaup, 3; Am. Golden-eye, 28; Buffle-head, 16; Am. Merganser, 1; Red-tailed Hawk, 10; Golden Eagle, 1; Bald Eagle, 8; Marsh Hawk, 9; Sparrow Hawk, 1; Turkey, 27; Am. Coot, 10; Ring-billed Gull, 2; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Red-shafted Flicker, 4; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 8; Horned Lark, 2; Blue Jay, 5; Am. Crow, 278; Carolina Chickadee, 18; Tufted Titmouse, 53; White-breasted Nuthatch, 8; Brown Creeper, 1; Bewick's Wren, 8; Carolina Wren, 1; Cañon Wren, 1; Rock Wren, 2; Am. Robin, 282; Eastern Bluebird, 30; Mountain Bluebird, 15; Golden-crowned Kinglet, 15; Water Pipit, 3; Cedar Waxwing, 14; Loggerhead Shrike, 2; Common Starling, 210; Myrtle Warbler, 62; House Sparrow, 1; Eastern Meadowlark, 72; Western Meadowlark, 2; Red-winged Blackbird, 2; Cardinal, 29; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 8; Slate-colored Junco, 124; Oregon Junco, 26; Am. Tree Sparrow, 7; Field Sparrow, 1; Harris's Sparrow, 29; Song Sparrow, 7; Chestnut-collared Longspur, 3. **Total,** 66 species; about 1794 individuals.—Marvin Davis, Arthur F. Halloran (compiler), Arthur F. Halloran, Jr., Audrey G. Halloran, John G. Halloran, Richard J. Hitch, Julian A. Howard.

455. Alice, Tex. (description of area illegible—Ed.).—Dec. 22; 6 a.m. to 7:30 p.m. Cloudy; temp. 60° to 80°; wind SE, 5-8 m.p.h. One observer. Total hours, 13½; total miles, 13½ (all on foot). Great Blue Heron, 1; Turkey Vulture, 10; Black Vulture, 4; Cooper's Hawk, 2; Red-tailed Hawk, 3; Harris's Hawk, 4; Marsh Hawk, 3; Audubon's Caracara, 8; Bob-white, 58; Sandhill Crane, 15; Killdeer, 52; Wilson's Snipe, 50; Mourning Dove, 122; Ground Dove, 171; Inca Dove, 4; Road-runner, 4; Horned Owl, 3; Golden-fronted Woodpecker, 9; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 7; Eastern Phoebe, 6; Vermilion Flycatcher, 3; Black-crested Titmouse, 10; Verdin, 23; House Wren, 42; Bewick's Wren, 14; Cactus Wren, 7; Mockingbird, 254; Sennett's Thrasher, 1; Curve-billed Thrasher, 20; Am. Robin, 144; Eastern Bluebird, 4; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 3; Water Pipit, 34; Loggerhead Shrike, 5; Common Starling, 10; White-eyed Vireo, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 123; House Sparrow, 18; Eastern Meadowlark, 98; Red-winged Blackbird, 250; Brewer's Blackbird, 207; Boat-tailed Grackle, 23; Brown-headed Cowbird, 555; Cardinal, 14; Pyrrhuloxia, 100; Am. Goldfinch, 30; Texas Sparrow, 1; Lark Bunting, 1; Savannah Sparrow, 2; Vesper Sparrow, 9; Lark Sparrow, 3; Black-throated Sparrow, 50; White-crowned Sparrow, 8 (2 Gambel's); Lincoln's Sparrow, 12. **Total,** 57 species (1 additional subspecies); about 2623 individuals.—Richard Albert.

456. Amarillo, Tex. (7½-mile radius centering on entrance to Palo Duro State Park; prairie 5%, streambeds with cottonwood–hackberry 30%, canyon walls 17%, grassland–mesquite–juniper, cactus 48%).—Dec. 21; 8 a.m. to 5 p.m. Clear; temp. 28° to 65°; wind 0-5 m.p.h.; much more vegetation than in recent years, all streams running, abundance of weed seeds. Four observers in 1 party. Total party-hours, 8 (6½ on foot, 1½ by car); total party-miles, 29 (12 on foot, 17 by car). Mallard, 1; buteo (sp.), 1; Bald Eagle, 4; Marsh Hawk, 2; Sparrow Hawk, 2; Scaled Quail, 6; Ring-necked Pheasant, 1; Road-runner, 1; Belted Kingfisher, 1; Red-shafted Flicker, 7; Golden-fronted Woodpecker, 7; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 5; Black-crested Titmouse, 8; **Common Bush-tit, 6**; Bewick's Wren, 3; Cañon Wren, 1; Rock Wren, 1; Mockingbird, 2; Brown Thrasher, 1; Am. Robin, 395; Mountain Bluebird, 11; Townsend's Solitaire, 11; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 3; Cedar Waxwing, **92**; Loggerhead Shrike, 1; Audubon's Warbler, 4; House Sparrow, 3; Western Meadowlark, 14; Cardinal, 11; Pine Siskin, 1; Am. Goldfinch, 25; Spotted Towhee, 7; **Black-throated Sparrow, 2** (carefully identified); Slate-colored Junco, 5; Oregon Junco, 90; **Chipping Sparrow, 2**; Field Sparrow, 1; White-crowned Sparrow, 38; Song Sparrow, 30; longspur (sp.), 4. **Total,** 42 species; about 829 individuals.—Mrs. I. D. Acord (compiler), Mrs. Joe Deason, Doyle Foreman, Mrs. L. E. Moyer (Texas Panhandle Audubon Society).

457. Aransas National Wildlife Refuge, Tex. (7½-mile radius centering near mid-point of Blackjack Peninsula, including refuge of 47,000 acres; most of time spent along tidal flats).—Dec. 30; 8 a.m. to 5 p.m.; temp. 52° to 70°. Two observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 75 (8 on foot, 67 by car). Common Loon, 2; Eared Grebe, 1; White Pelican, 130; Double-crested Cormorant, 20; Water-turkey, 1; Great Blue Heron, 70; Am. Egret, 6; Snowy Egret, 3; Reddish Egret, 2; Louisiana Heron, 2; Little Blue Heron, 1; Canada Goose, 16,000; Snow Goose, 1200; Blue Goose, 120; Mallard, 600; Mottled Duck, 50; Gadwall, 1000; Am. Widgeon, 2000; Pintail, 40,000; Green-winged Teal, 100; Shoveller, 500; Redhead, 5000; Canvas-back, 200; Lesser Scaup, 500; Am. Golden-eye, 20; Buffle-head, 50; Ruddy Duck, 80; Turkey Vulture, 100; Black Vulture, 150; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Broad-winged Hawk, 1; White-tailed Hawk, 1; Ferruginous Hawk, 1; Bald Eagle, 2; Marsh Hawk, 5; Osprey, 2; Audubon's Caracara, 6; Peregrine Falcon, 1; Sparrow Hawk, 35; Bob-white, 3; Turkey, 43; **Whooping Crane, 26**; Sandhill Crane, 1000; Am. Coot, 1500; Killdeer, 25; Long-billed Curlew, 6; Willet, 5; Lesser Yellow-legs, 3; Am. Avocet, 65; Herring Gull, 3; Ring-billed Gull, 5; Mourning Dove, 150; Ground Dove, 1; Road-

runner, 2; Horned Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 6; Ladder-backed Woodpecker, 1; Cassin's Kingbird, 6; Eastern Phoebe, 2; Vermilion Flycatcher, 2; Blue Jay, 3; Mockingbird, 35; Catbird, 1; Brown Thrasher, 3; Am. Robin, 2000; Ruby-crowned Kinglet, 6; Water Pipit, 10; Loggerhead Shrike, 150; Black and White Warbler, 3; Myrtle Warbler, 20; Eastern Meadowlark, 200; Red-winged Blackbird, 100; Boat-tailed Grackle, 75; Brown-headed Cowbird, 200; Cardinal, 75; Savannah Sparrow, 20; Vesper Sparrow, 25; Lark Sparrow, 2; Slate-colored Junco, 4; White-crowned Sparrow, 1. **Total,** 85 species; about 73,768 individuals.—Harold Irby, Claude F. Lard (compiler).

458. Austin, Tex. (same area as previous 4 years).—Dec. 28; 6:40 a.m. to 7 p.m. Clear; temp. 39° to 59°; wind NNW, 8-0 m.p.h. Fourteen observers in 5 parties. Total party-hours, 44 (23 on foot, 17 by car, 4 on horse); total party-miles, 175 (17 on foot, 153 by car, 5 on horseback). Pied-billed Grebe, 4; Great Blue Heron, 3; **Black-crowned Night Heron,** 3; Mallard, 15; Gadwall, 290; Am. Widgeon, 7; Green-winged Teal, 2; Cinnamon Teal, 1; Redhead, 1; Lesser Scaup, 1; Turkey Vulture, 26; Black Vulture, 7; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 20; Bob-white, 30; Am. Coot, 581; Killdeer, 41; Spotted Sandpiper, 3; Ring-billed Gull, 8; Mourning Dove, 138; Inca Dove, 11; Road-runner, 1; Screech Owl, 2; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 26; Red-shafted Flicker, 7; Red-bellied Woodpecker, 27; Golden-fronted Woodpecker, 5; Yellow-bellied Sapsucker, 5; Ladder-backed Woodpecker, 17; Eastern Phoebe, 16; **Scissor-tailed Flycatcher, 1** (present for 2 weeks); Vermilion Flycatcher, 1; Blue Jay, 85; Am. Crow, 8; Carolina Chickadee, 14; Tufted Titmouse, 5; Black-crested Titmouse, 45; **Common Bushtit, 4** (carefully identified—F.S.W., C.H.B.); Brown Creeper, 4; House Wren, 22; Bewick's Wren, 39; Carolina Wren, 17; Long-billed Marsh Wren, 1; Cañon Wren, 2; Mockingbird, 125; Sage Thrasher, 1; Am. Robin, 1673; Hermit Thrush, 6; Eastern Bluebird, 39; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 50; Water Pipit, 21; Cedar Waxwing, 2548+; Loggerhead Shrike, 9; Solitary Vireo, 1; Orange-crowned Warbler, 9; Myrtle Warbler, 145; Common Yellowthroat, 1; House Sparrow, 322; Western Meadowlark, 32; meadowlark (sp.), 166; Red-winged Blackbird, 82; Boat-tailed Grackle, 228; Cardinal, 135; House Finch, 28; Pine Siskin, 3; Am. Goldfinch, 241; Lesser Goldfinch, 11; Spotted Towhee, 30; Savannah Sparrow, 44; Vesper Sparrow, 34; Lark Sparrow, 19; Rufous-crowned Sparrow, 4; Black-throated Sparrow, 2; Slate-colored Junco, 31; Oregon Junco, 1; Chipping Sparrow, 5; Field Sparrow, 321; Harris's Sparrow, 19; White-crowned Sparrow, 40; White-throated Sparrow, 63; Fox Sparrow, 1; Lincoln's Sparrow, 58; Song Sparrow, 9. **Total,** 87 species; about 8120 individuals. (Seen in area count period: Pintail, Red-breasted Nuthatch, Catbird, Black and White Warbler). [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.]—Mrs. V. L. Adrean, Jimmy Anderson, Dr. and Mrs. C. H. Brownlee, Bradley Davis, Margaret Louise Hill, N. B. Hutto, Edgar B. Kincaid, Frank Oatman, John Louis Rowlett, John O. Rowlett, Rose Ann Rowlett, Jerry Wattinger, Fred S. Webster, Jr. (compiler) (Travis Audubon Society).

459. Bastrop-Buescher State Parks, Tex. (7½-mile radius centering on Park Road 1 midway between Bastrop and Buescher State Parks, including towns of Bastrop and Smithville; pine and oak uplands 60%, wooded and brushy creekbottoms 35%, pastures and cultivated fields 4%, town 1%).—Jan. 1; 8:15 a.m. to 4:30 p.m. Clear; temp. 34° to 50°; wind NW to NNE, 7-8 m.p.h. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 21 (1 on foot, 20 by car). Turkey Vulture, 22; Red-tailed Hawk, 1; Sparrow Hawk, 1; Mourning Dove, 12; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 2; Eastern Phoebe, 10; Blue Jay, 5; Am. Crow, 15; Carolina Chickadee, 26; Tufted Titmouse, 14; Brown Creeper, 4; House Wren, 9; Bewick's Wren, 1; Carolina Wren, 7; Mockingbird, 41; Brown Thrasher, 9; Am. Robin, 47; Hermit Thrush, 19; Eastern Bluebird, 22; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 46; Cedar Waxwing, 78; Loggerhead Shrike, 3; Solitary Vireo, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 48; **Yellow-throated Warbler,** 1; Pine Warbler, 10; House Sparrow, 1; Cardinal, 112; Am. Goldfinch, 108; [Eastern Towhee, 14 + Spotted Towhee, 22]; Savannah Sparrow, 2; Vesper Sparrow, 3; Lark Sparrow, 1; Slate-colored Junco, 23; Chipping Sparrow, 29; Field Sparrow, 167; Harris's Sparrow, 9; White-throated Sparrow, 260; Fox Sparrow, 4; Lincoln's Sparrow, 48; Song Sparrow, 4. **Total,** 48 species (1 additional subspecies); about 1282 individuals. [Exceptionally neat, carefully prepared report—Ed.]—Ada Marie Webster, Fred S. Webster, Jr. (compiler).

460. Big Spring, Tex. (same area as previous 9 years).—Dec. 22; 7:30 a.m. to 4:30 p.m. Overcast 2 hours, then clear; temp. 40° to 70°; wind SW, 5-20 m.p.h.; ground dry, water open. Four observers in 2 parties. Total party-hours, 14 (12 on foot, 2 by car); total party-miles, 77 (5 on foot, 72 by car). Eared Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 1; Gadwall, 3; Am. Widgeon, 4; Pintail, 63; Green-winged Teal, 14; Blue-winged Teal, 3; Ring-necked Duck, 2; Canvas-back, 31; Lesser Scaup, 9; Sharp-shinned Hawk, 2; Ferruginous Hawk, 1; Sparrow Hawk, 2; Am. Coot, 1; Killdeer, 8; Greater Yellow-legs, 1; Mourning Dove, 2; Belted Kingfisher, 1; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 1; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 5; Say's Phoebe, 1; Black-crested Titmouse, 2; Verdin, 3; Common Bushtit, 13; Red-breasted Nuthatch, 1; Brown Creeper, 1; House Wren, 2; Rock Wren, 8; Mockingbird, 34; Sage Thrasher, 2; Am. Robin, 23; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 7; Water Pipit, 6; Cedar Waxwing, 309; Loggerhead Shrike, 4; Orange-

crowned Warbler, 3; Myrtle Warbler, 16; House Sparrow, 403; Western Meadowlark, 29; Brewer's Blackbird, 31; Brown-headed Cowbird, 6; Cardinal, 14; House Finch, 3; Lesser Goldfinch, 33; Green-tailed Towhee, 1; Spotted Towhee, 3; Brown Towhee, 4; Slate-colored Junco, 1; Oregon Junco, 17; Brewer's Sparrow, 1; White-crowned Sparrow, 149; Lincoln's Sparrow, 5; Song Sparrow, 4. **Total,** 58 species; about 1302 individuals. [All 4 counts compiled by Frances Williams exceptionally neat with excellent details for all unusual observations—Ed.]—Walter Ammon, Anne LeSassier, Frances Williams (compiler), Harold Williams.

461. Brownwood, Tex. (within a 7½-mile radius of Brownwood).—Dec. 28; 8:30 a.m. to 5:30 p.m. Partly cloudy; temp. 60° to 70°; wind 5-10 m.p.h. Two observers in 1 party. Total party hours, 8 (6 on foot, 2 by car); total party-miles, 46 (6 on foot, 40 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 5; Gadwall, 1; Turkey Vulture, 8; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Sparrow Hawk, 6; Bob-white, 8; Am. Coot, 9; Killdeer, 7; Wilson's Snipe, 1; Mourning Dove, 32; Inca Dove, 2; Road-runner, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 3; Golden-fronted Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Ladder-backed Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 3; Am. Crow, 6; Carolina Chickadee, 10; Black-crested Titmouse, 12; Verdin, 2; Red-breasted Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 8; Cactus Wren, 1; Long-billed Marsh Wren, 2; Rock Wren, 1; Mockingbird, 18; Am. Robin, 9; Hermit Thrush, 1; Eastern Bluebird, 2; Western Bluebird, 1; Ruby-crowned Kinglet, 3; Cedar Waxwing, 150; Loggerhead Shrike, 18; Common Starling, 9; Orange-crowned Warbler, 4; Myrtle Warbler, 10; Audubon's Warbler, 6; House Sparrow, flocks [estimated number of individuals?—Ed.]; Western Meadowlark, 80; Red-winged Blackbird, 4; Brown-headed Cowbird, flocks [estimated number of individuals?—Ed.]; Cardinal, 22; House Finch, 2; Am. Goldfinch, 14; Spotted Towhee, 3; Savannah Sparrow, 15; Vesper Sparrow, 9; Lark Sparrow, 15; Slate-colored Junco, 12; Field Sparrow, 4; Harris's Sparrow, 8; White-crowned Sparrow, 12; White-throated Sparrow, 9; Fox Sparrow, 2; Lincoln's Sparrow, 1; Song Sparrow, 10. **Total,** 65 species; about 607+ individuals.—Chris S. Jordan (compiler), Ray C. Jordan.

462. Carrizo Springs, Tex. (same area as last year).—Dec. 27; 7:30 a.m. to 6:30 p.m. Overcast until 1 p.m.; temp. 49° to 69°; wind S, 5 m.p.h.; ponds and streams full. One observer. Total hours, 11 (7 on foot, 4 by car); total miles, 59 (4 on foot, 55 by car). Least Grebe, 2; Pied-billed Grebe, 5; Great Blue Heron, 4; Am. Egret, 3; Black-crowned Night Heron, 1; Mallard, 3; Gadwall, 38; Am. Widgeon, 80; Pintail, 514; Green-winged Teal, 67; Shoveller, 27; Redhead, 13; Ring-necked Duck, 11; Canvas-back, 12; Lesser Scaup, 1; Ruddy Duck, 119; Turkey Vulture, 6; Red-tailed Hawk, 6; Ferruginous Hawk, 1; Harris's Hawk, 3; Marsh Hawk, 24; Sparrow Hawk, 12; Sandhill Crane, 1900; Am. Coot, 170; **Mountain Plover, 10** (carefully identified); Killdeer, 7; Wilson's Snipe, 3; Greater Yellow-legs, 4; Least Sandpiper, 12; dowitcher (sp.), 41; Mourning Dove, 1390; Ground Dove, 24; Inca Dove, 40; Barn Owl, 1; Horned Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 7; Ladder-backed Woodpecker, 8; Eastern Phoebe, 11; Say's Phoebe, 8; Vermilion Flycatcher, 5; Black-crested Titmouse, 17; Verdin, 2; House Wren, 19; Bewick's Wren, 4; Carolina Wren, 6; Long-billed Marsh Wren, 2; Mockingbird, 42; Sennett's Thrasher, 1; Am. Robin, 98; Eastern Bluebird, 3; Blue-gray Gnatcatcher, 21; Ruby-crowned Kinglet, 12; Water Pipit, 55; Loggerhead Shrike, 13; Common Starling, 6600; White-eyed Vireo, 1; Orange-crowned Warbler, 20; Myrtle Warbler, 23; Audubon's Warbler, 2; Common Yellowthroat, 2; House Sparrow, 23; Western Meadowlark, 24; Red-winged Blackbird, 2000; Brewer's Blackbird, 9850; Boat-tailed Grackle, 200; Purple Grackle, 280; Brown-headed Cowbird, 5700; Cardinal, 46; Pyrrhuloxia, 2; Am. Goldfinch, 12; Texas Sparrow, 1; Green-tailed Towhee, 2; Spotted Towhee, 10; Lark Bunting, 5060; Savannah Sparrow, 2; Baird's Sparrow, 2; Vesper Sparrow, 115; Lark Sparrow, 104; Black-throated Sparrow, 4; Chipping Sparrow, 30; Clay-colored Sparrow, 78; Field Sparrow, 3; White-crowned Sparrow, 156; Lincoln's Sparrow, 45; Swamp Sparrow, 12; Song Sparrow, 63. **Total,** 90 species; about 35,367 individuals. (Eastern Meadowlark seen count period.)—Roddy Rylander (compiler).

463. Coleman, Tex. (same area as in previous years).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 27° to 64°; wind SW, 5-15 m.p.h. Four observers in 1 party. Total party-hours, 9½ (4½ on foot, 5 by car); total party-miles, 108 (20 on foot, 88 by car). Eared Grebe, 1; Pied-billed Grebe, 10; Great Blue Heron, 3; Pintail, 37; Green-winged Teal, 59; Redhead, 2; Lesser Scaup, 23; Buffle-head, 7; Ruddy Duck, 12; Turkey Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 6; Sparrow Hawk, 3; Am. Coot, 51; Killdeer, 12; Semipalmated Sandpiper, 26; Western Sandpiper, 2; Franklin's Gull, 1; Mourning Dove, 84; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Red-shafted Flicker, 18; Golden-fronted Woodpecker, 3; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 4; Eastern Phoebe, 1; Vermilion Flycatcher, 3; Blue Jay, 2; Tufted Titmouse, 4; Red-breasted Nuthatch, 1; Brown Creeper, 1; House Wren, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Rock Wren, 5; Mockingbird, 13; Am. Robin, 65; Eastern Bluebird, 13; Mountain Bluebird, 22; Ruby-crowned Kinglet, 2; Water Pipit, 2; Cedar Waxwing, 34; Loggerhead Shrike, 25; Common Starling, 14; Audubon's Warbler, 9; House Sparrow, 63; Western Meadowlark, 121; Red-winged Blackbird, 3; Brown-headed Cowbird, 46; Cardinal, 74; Purple Finch, 15; Am. Goldfinch, 58; Spotted Towhee, 11; Savannah Sparrow, 6; Vesper Sparrow, 3; Lark Sparrow, 24; Slate-colored Junco, 10; Field Sparrow, 8; Harris's Sparrow, 2; White-crowned

Sparrow, 112; Song Sparrow, 34. **Total,** 62 species; about 1187 individuals.—Mr. and Mrs. C. F. Blanton, Mrs. Marcus V. Durham (compiler), Essie McGregor.

464. **Commerce, Tex.** (5-mile radius of town as in previous years; deciduous bottomland and woodland along streams 60%, open pasture 30%, ponds 10%). —Dec. 28; 7:30 a.m. to 4:45 p.m. Clear a.m., high clouds p.m.; temp. 36° to 61°; wind NW, 0-5 m.p.h.; water level high, abundant vegetation. One observer. Total hours, 9¼ (6¼ on foot, 3 by car); total miles, 32 (10 on foot, 22 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 34; Pintail, 2; Turkey Vulture, 1; Am. Coot, 1; Killdeer, 24; Wilson's Snipe, 5; Mourning Dove, 64; Belted Kingfisher, 2; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 8; Blue Jay, 31; Am. Crow, 33; Carolina Chickadee, 9; Tufted Titmouse, 16; Bewick's Wren, 5; Carolina Wren, 2; Mockingbird, 13; Brown Thrasher, 3; Am. Robin, 163; Eastern Bluebird, 17; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 11; Common Starling, 136; Myrtle Warbler, 3; House Sparrow, 26; Eastern Meadowlark, 57; Western Meadowlark, 3; Red-winged Blackbird, 245; Rusty Blackbird, 6; Brown-headed Cowbird, 172; Cardinal, 65; Purple Finch, 12; Am. Goldfinch, 24; Savannah Sparrow, 9; Leconte's Sparrow, 2; Henslow's Sparrow, 1; Lark Sparrow, 9; Slate-colored Junco, 92; Field Sparrow, 90; Harris's Sparrow, 133; White-crowned Sparrow, 7; White-throated Sparrow, 85; Fox Sparrow, 3; Song Sparrow, 19. **Total,** 51 species; about 1691 individuals. (Seen count week: Blue-winged Teal, Red-tailed Hawk, Red-shouldered Hawk, Marsh Hawk, Sparrow Hawk, Barred Owl, Cedar Waxwing, Purple Grackle.)—Mrs. Norah Selby O'Neil.

465. **Dallas, Tex.** (same area as last year with addition of Trinity River bottoms southwest of Bachman Lake; lakeshore, cattail marsh, creeks and river-bottoms 70%, deciduous farm woodlots and pasture 15%, parks and residential 15%).—Dec. 28; 7:15 a.m. to 6 p.m. Clear to partly cloudy to clear; temp. 34° to 59°; wind SSE, 2-6 m.p.h.; wettest year in 45 years of weather records in Dallas County (1956 driest on record!), second warmest Dec. on record. Seven observers in 3 parties. Total party-hours, 18 (9 on foot, 9 by car); total party-miles, 81 (4 on foot, 77 by car). Eared Grebe, 5; Pied-billed Grebe, 28; Great Blue Heron, 3; Mallard, 166; Gadwall, 18; Am. Widgeon, 39; Pintail, 40; Green-winged Teal, 185; Shoveller, 9; Redhead, 16; Ring-necked Duck, 48; Canvas-back, 12; Lesser Scaup, 13; Ruddy Duck, 56; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Swainson's Hawk, 1; Rough-legged Hawk, 9; Ferruginous Hawk, 2; Sparrow Hawk, 4; Am. Coot, 565; Killdeer, 42; Herring Gull, 4; Ring-billed Gull, 130; Mourning Dove, 17; Road-runner, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 25; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 8; Eastern Phoebe, 2; Horned Lark, 300; Blue Jay, 32; Am. Crow, 42; Carolina Chickadee, 6; Tufted Titmouse, 12; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 7; Mockingbird, 19; Brown Thrasher, 6; Am. Robin, 43; Hermit Thrush, 5; Eastern Bluebird, 1; Ruby-crowned Kinglet, 4; Cedar Waxwing, 21; Loggerhead Shrike, 8; Common Starling, 457; Myrtle Warbler, 36; Common Yellowthroat, 3; House Sparrow, 295; Eastern Meadowlark, 78; Western Meadowlark, 25; Red-winged Blackbird, 109,016; Rusty Blackbird, 8; Boat-tailed Grackle, 12; Purple Grackle, 1; Brown-headed Cowbird, 8; Cardinal, 44; Am. Goldfinch, 14; [Eastern Towhee, 5 + Spotted Towhee, 2]; Savannah Sparrow, 11; Vesper Sparrow, 2; Slate-colored Junco, 42; Field Sparrow, 2; Harris's Sparrow, 13; White-crowned Sparrow, 69; White-throated Sparrow, 86; Fox Sparrow, 7; Lincoln's Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 25. **Total,** 74 species (1 additional subspecies); about 112,254 individuals. (Seen count period: Common Loon, Black-crowned Night Heron, Am. Golden-eye, Red-shouldered Hawk, Harris's Hawk, Bob-white, Screech Owl, Barred Owl, Red-shafted Flicker, Bewick's Wren, Golden-crowned Kinglet.)—Edward C. Fritz, Rosabel Harris, Lyndon M. Jackson, Carrol Kiblinger, Murray Marshall (compiler), Doris McGuire, Mrs. Edith Winford (Dallas Audubon Society).

466. **Del Rio, Tex.** (same area as previous 9 years).—Dec. 29; 7:30 a.m. to 6 p.m. Clear, calm; temp. 42° to 86°. Seven observers in 3 parties. Total party-hours, 24 (11 on foot, 8 by car, 5 by boat); total party-miles, 36 (8 on foot, 24 by car, 4 by boat). Eared Grebe, 2; Pied-billed Grebe, 7; Great Blue Heron, 8; Gadwall, 2; Green-winged Teal, 16; Ring-necked Duck, 4; Buffle-head, 9; Turkey Vulture, 5; Black Vulture, 8; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5; **Red-shouldered Hawk,** 1; Ferruginous Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Scaled Quail, 4; Am. Coot, 22; Killdeer, 43; Wilson's Snipe, 2; Greater Yellow-legs, 3; Lesser Yellow-legs, 6; Mourning Dove, 90; Ground Dove, 2; Inca Dove, 75; Road-runner, 2; Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 9; Red-shafted Flicker, 16; Golden-fronted Woodpecker, 26; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 10; Eastern Phoebe, 10; Black Phoebe, 10; Say's Phoebe, 3; Vermilion Flycatcher, 13; **Rough-winged Swallow, 130** (carefully identified); White-necked Raven, 72; Black-crested Titmouse, 1; Verdin, 11; House Wren, 4; Bewick's Wren, 14; Cactus Wren, 3; Long-billed Marsh Wren, 5; Cañon Wren, 6; Rock Wren, 5; Mockingbird, 84; Am. Robin, 32; Hermit Thrush, 5; Mountain Bluebird, 8; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 24; Water Pipit, 76; Loggerhead Shrike, 6; Orange-crowned Warbler, 3; Myrtle Warbler, 335; Audubon's Warbler, 7; Common Yellowthroat, 5; House Sparrow, 242; Western Meadowlark, 15; Red-winged Blackbird, 2; Brewer's Blackbird, 485; Boat-tailed Grackle, 178; Purple Grackle, 1; Brown-headed Cowbird, 306; Cardinal, 43; Pyrrhuloxia, 14; House Finch, 24; Am. Goldfinch, 3; Lesser Goldfinch, 22; Texas Sparrow, 1; Green-tailed Towhee, 9; Spotted Towhee, 4; Lark Bunting, 150; Baird's Sparrow, 1; Vesper Sparrow,

9; Lark Sparrow, 7; Rufous-crowned Sparrow, 5; Cassin's Sparrow, 2; Black-throated Sparrow, 18; Chipping Sparrow, 14; Field Sparrow, 3; White-crowned Sparrow, 251; White-throated Sparrow, **10**; Lincoln's Sparrow, **32**; Song Sparrow, 2. **Total,** 86 species; about 3121 individuals. (Seen count period: Spotted Sandpiper, Green Kingfisher, Sennett's Thrasher.)—Walter Ammon, Charles Gaines, John Galley, Margret Galley, Anne LeSassier, Frances Williams (compiler), Steve Williams.

467. Denton, Tex. (same area as last year).—Dec. 22; 5 a.m. to 6 p.m. Partly cloudy; temp. 48° to 69°; wind SW, 5-20 m.p.h. Eight observers in 4 parties. Total party-hours, 39 (4 on foot, 35 by car); total party-miles, 313 (16 on foot, 297 by car). White Pelican, 3; Great Blue Heron, 158; Mallard, 17; Gadwall, 100; Am. Widgeon, 58; Pintail, 6; Blue-winged Teal, 4; Shoveller, 4; Redhead, 14; Lesser Scaup, 12; Buffle-head, 2; Ruddy Duck, 2; Turkey Vulture, 43; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 14; Harlan's Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 21; Bob-white, 7; Am. Coot, 125; Killdeer, 183; Least Sandpiper, 120; Herring Gull, 2; Ring-billed Gull, 76; Mourning Dove, 27; Road-runner, 2; Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 55; Red-shafted Flicker, 8; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 8; Downy Woodpecker, 9; Eastern Phoebe, 4; Horned Lark, 515; Blue Jay, 33; Am. Crow, 88; Carolina Chickadee, 24; Tufted Titmouse, 16; Brown Creeper, 2; House Wren, 1; Bewick's Wren, 14; Carolina Wren, 4; Mockingbird, 55; Brown Thrasher, 4; Am. Robin, 258; Eastern Bluebird, 87; Ruby-crowned Kinglet, 11; Water Pipit, 26; Sprague's Pipit, 15; Cedar Waxwing, 52; Loggerhead Shrike, 50; Common Starling, 4000; Myrtle Warbler, 23; House Sparrow, 600; Eastern Meadowlark, 24; Western Meadowlark, 85; meadowlark (sp.), 900; Red-winged Blackbird, 600; Brewer's Blackbird, 43; Purple Grackle, 1; Brown-headed Cowbird, 92; Cardinal, 97; Purple Finch, 5; Am. Goldfinch, 100; Spotted Towhee, 10; Savannah Sparrow, 156; **Baird's Sparrow, 1** (J.H.B.); Vesper Sparrow, 4; Lark Sparrow, 4; Slate-colored Junco, 105; **Oregon Junco, 1** (R.L.); Field Sparrow, 525; Harris's Sparrow, 214; White-crowned Sparrow, 4; White-throated Sparrow, 190; Lincoln's Sparrow, 2; Song Sparrow, 23; McCown's Longspur, 23. **Total,** 82 species; about 10,208 individuals. (Seen in area count period: Bonaparte's Gull, Hermit Thrush.)—Mr. and Mrs. J. H. Bailey, Viola Hamilton, Betty Lincoln, Joanne Lincoln, A. Lockwood, R. Lockwood (compiler), Roddy Rylander.

468. Eagle Pass, Tex. (same area in Maverick County as last year).—Jan. 1; 8 a.m. to 6 p.m. Clear; temp. 40° to 56°; wind light. Nine observers in 3 parties. Total party-hours, 30 (7 on foot, 23 by car); total party-miles, 30 (5 on foot, 25 by car). Least Grebe, 50; Pied-billed Grebe, 25; Great Blue Heron, 5; Black-crowned Night Heron, 6; Mallard, 1; Gadwall, 66; Am. Widgeon, 151; Pintail, 1008; Green-winged Teal, 160; Shoveller, 21; Redhead, 3; Ring-necked Duck, 69; Canvas-back, 12; Lesser Scaup, 50; Buffle-head, 4; Ruddy Duck, 52; Cooper's Hawk, 1; Red-tailed Hawk, 3; Swainson's Hawk, 1; Mexican Black Hawk, 1; Ferruginous Hawk, 1; Harris's Hawk, 11; Marsh Hawk, 17; **Prairie Falcon, 1**; Pigeon Hawk, 1; Sparrow Hawk, 23; Bob-white, 8; Scaled Quail, 2; Sandhill Crane, 212; Am. Coot, 511; Killdeer, 13; Wilson's Snipe, 2; Spotted Sandpiper, 1; **Solitary Sandpiper, 1**; Greater Yellow-legs, 4; dowitcher (sp.), 1; Western Sandpiper, 1; **Band-tailed Pigeon, 1**; Mourning Dove, 1500; Ground Dove, 11; Inca Dove, 8; Road-runner, 1; Barn Owl, 1; Horned Owl, 3; Burrowing Owl, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 16; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 7; Ash-throated Flycatcher, 2; Eastern Phoebe, 3; Black Phoebe, 1; Say's Phoebe, 22; Vermilion Flycatcher, 7; Black-crested Titmouse, 6; Verdin, 31; Winter Wren, 1; Bewick's Wren, 5; Cactus Wren, 8; Rock Wren, 2; Mockingbird, 31; Catbird, 1; Brown Thrasher, 1; Sennett's Thrasher, 16; Bendire's Thrasher, 1; Curve-billed Thrasher, 15; Sage Thrasher, 1; Hermit Thrush, 2; Blue-gray Gnatcatcher, 6; Ruby-crowned Kinglet, 7; Water Pipit, 5; Cedar Waxwing, 11; Loggerhead Shrike, 37; Common Starling, 3; Orange-crowned Warbler, 4; Myrtle Warbler, 11; Audubon's Warbler, 5; Common Yellowthroat, 1; House Sparrow, 25; Eastern Meadowlark, 419; Western Meadowlark, 2; Yellow-headed Blackbird, 2; Red-winged Blackbird, 600; Audubon's Oriole, 2; Brewer's Blackbird, 500; Boat-tailed Grackle, 871; Brown-headed Cowbird, 391; Cardinal, 31; Pyrrhuloxia, 61; House Finch, 2; Am. Goldfinch, 1; Lesser Goldfinch, 14; Texas Sparrow, 4; Green-tailed Towhee, 2; Lark Bunting, 189; Savannah Sparrow, 8; Baird's Sparrow, 1; Vesper Sparrow, 51; Rufous-crowned Sparrow, 6; Black-throated Sparrow, 19; Chipping Sparrow, 26; Clay-colored Sparrow, 25; Field Sparrow, 25; White-crowned Sparrow, 27; Lincoln's Sparrow, 27; Song Sparrow, 15. **Total,** 106 species; about 7643 individuals.—Mrs. L. D. Booker, Mrs. Royce A. Drake, Mrs. Walter Fitch, Mrs. Harvey Hall, Jack Keisling, Mrs. Jack Keisling, Mrs. Hons Richards, Ernest Scales, Dorothy O. Worrell (compiler).

469. El Paso, Tex. (7½-mile radius centering on Scenic Drive, including Memorial Park, Ascarate Park, McKelligon Canyon, Rio Grande River levee and valley; river bosque 12%, desert sandhills and canyon 30%, city park 4%, artificial lake 4%, farmlands 50%).—Dec. 23; 6 a.m. to 5 p.m. Clear to hazy; temp. 35° to 54°; wind N to NE, 0-17 m.p.h. Fourteen observers in 6 parties. Total party-hours, 28 (16 on foot, 12 by car); total party-miles, 194 (29 on foot, 165 by car). Pied-billed Grebe, 7; Great Blue Heron, 16; Black-crowned Night Heron, 2; Mallard, 11; Gadwall, 36; Am. Widgeon, 154; Green-winged Teal, 17; Canvas-back, 116; Am. Merganser, 1; Cooper's Hawk, 5; Red-tailed Hawk, 4; Marsh Hawk, 11; Sparrow Hawk, 27; Scaled Quail, 75; Gambel's Quail, 132; Sandhill Crane, 4; Florida Gallinule, 2; Am. Coot, 108; Killdeer, 53; Wilson's Snipe, 2; Least Sandpiper, 21; Western Sandpiper, 21; Mourn-

ing Dove, 775; Inca Dove, 5; Road-runner, 6; Belted Kingfisher, 5; Yellow-shafted Flicker, 2; Red-shafted Flicker, 42; Yellow-bellied Sapsucker, 1; Red-cockaded Woodpecker, 1; Black Phoebe, 2; Say's Phoebe, 9; Vermilion Flycatcher, 1; Scrub Jay, 4; Mountain Chickadee, 3; Verdin, 4; Red-breasted Nuthatch, 2; House Wren, 7; Long-billed Marsh Wren, 2; Cañon Wren, 1; Rock Wren, 11; Mockingbird, 4; Curve-billed Thrasher, 1; Crissal Thrasher, 2; Am. Robin, 39; Hermit Thrush, 1; Western Bluebird, 49; Ruby-crowned Kinglet, 12; Water Pipit, 26; Cedar Waxwing, 18; Phainopepla, 2; Loggerhead Shrike, 15; Common Starling, 1; Audubon's Warbler, 82; House Sparrow, 500; Western Meadowlark, 14; Yellow-headed Blackbird, 700; Red-winged Blackbird, 1522; Brewer's Blackbird, 149; Boat-tailed Grackle, 9; Pyrrhuloxia, 6; House Finch, 115; Lesser Goldfinch, 1; Green-tailed Towhee, 9; Spotted Towhee, 13; Savannah Sparrow, 2; Baird's Sparrow, 5; Rufous-crowned Sparrow, 2; Black-throated Sparrow, 13; Sage Sparrow, 5; Oregon Junco, 10 (Pink-sided, 8); Gray-headed Junco, 3; Chipping Sparrow, 101; Clay-colored Sparrow, 57; Brewer's Sparrow, 110; Black-chinned Sparrow, 1; White-crowned Sparrow, 528; White-throated Sparrow, 1; Lincoln's Sparrow, 3; Song Sparrow, 2. **Total,** 80 species (1 additional subspecies); about 5833 individuals. (Seen count period: Common Loon, Eared Grebe, Rough-legged Hawk, Mountain Bluebird, Lark Bunting.)—Mrs. J. O. Allen (compiler), Roy Allen, Luvenia Arnold, Jennie Camp, Roy Fisk, Mr. and Mrs. D. J. Johnson, Mary Belle Keefer, Mrs. Lena McBee, Mrs. Caroline McClintock, Al Smith, Jack Stewart, Dennis Taylor, Lilla Thomas (El Paso Audubon Society).

470. **Fort Worth, Tex.** (same area as last year, 7½-mile radius centering on Federal Fish Cultural Station, including Lake Worth area, Rockwood, Trinity, Forest Parks).—Dec. 28; 7 a.m. to 5 p.m. Few clouds a.m., clearing p.m.; temp. 35° to 57°; wind N to SW, 3-5 m.p.h. Seventeen observers in 6 parties. Total party-hours, 101 (68 on foot, 33 by car); total party-miles, 213 (49 on foot, 164 by car). Pied-billed Grebe, 5; Great Blue Heron, 3; Mallard, 7; Gadwall, 8; Am. Widgeon, 61; Pintail, 10; Green-winged Teal, 2; Redhead, 5; Ring-necked Duck, 20; Canvas-back, 31; Lesser Scaup, 55; Ruddy Duck, 1; Turkey Vulture, 33; Sharp-shinned Hawk, 1; Red-tailed Hawk, 16 (Krider's, 1); Harlan's Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 9; Sparrow Hawk, 16; Bobwhite, 7; Ring-necked Pheasant, 1; Sora, 1; Am. Coot, 62; Killdeer, 65; Wilson's Snipe, 36; Least Sandpiper, 71; Herring Gull, 2; Ring-billed Gull, 13; Mourning Dove, 41; Road-runner, 1; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 112; Red-shafted Flicker, 1; Red-bellied Woodpecker, 73; Yellow-bellied Sapsucker, 21; Hairy Woodpecker, 6; Downy Woodpecker, 28; Ladder-backed Woodpecker, 2; Eastern Phoebe, 1; Horned Lark, 120; Blue Jay, 156; Am. Crow, 56; Carolina Chickadee, 71; Tufted Titmouse, 90; Red-breasted Nuthatch, 29; Brown Creeper, 14; House Wren, 3; Bewick's Wren, 12; Carolina Wren, 39; Long-billed Marsh Wren, 1; Mockingbird, 79; Brown Thrasher, 28; Am. Robin, 322; Hermit Thrush, 12; Eastern Bluebird, 79; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 18; Cedar Waxwing, 122; Loggerhead Shrike, 24; Common Starling, 2192; Myrtle Warbler, 107; Audubon's Warbler, 1; Common Yellowthroat, 2; House Sparrow, 476; Eastern Meadowlark, 24; Western Meadowlark, 1; meadowlark (sp.), 129; Red-winged Blackbird, 1826; Rusty Blackbird, 87; Purple Grackle, 100; Brown-headed Cowbird, 372; Cardinal, 131; Purple Finch, 9; Pine Siskin, 6; Am. Goldfinch, 582; Spotted Towhee, 22; Savannah Sparrow, 21; Slate-colored Junco, 164; Am. Tree Sparrow, 2; Field Sparrow, 110; Harris's Sparrow, 81; White-crowned Sparrow, 1; White-throated Sparrow, 346; Fox Sparrow, 4; Lincoln's Sparrow, 9; Swamp Sparrow, 3; Song Sparrow, 38. **Total,** 88 species (1 additional subspecies); about 8968 individuals.—Mrs. Walter Bauguess, Mrs. Robert Bowman, Mrs. J. E. Casstevens, A. Y. Harper, Jr., Mrs. Ruth Harrison, Henry Oliver, Jr., Mr. and Mrs. Stephen Passmore, Warren M. Pulich, Jr., Warren M. Pulich, Sr. (compiler), Doris Smith, Ruie Smith, Mrs. Wade Smith, Virginia Stagg, G. J. Wallace, Mr. and Mrs. John E. Wilson (Fort Worth Audubon Society).

471. **Freeport, Tex.** (15-mile diameter circle with center 4½ miles north of Freeport, Lake Jackson on west, Swan Lake on east, Bryan Beach on south).—Dec. 31; 7:10 a.m. to 4:25 p.m.; temp. 47° to 71°. Six observers in 2 parties. Total party-hours, 18 (2 on foot, 16 by car); total party-miles, 208 (4 on foot, 204 by car). Common Loon, 2; Eared Grebe, 2; Pied-billed Grebe, 49; White Pelican, 10; Brown Pelican, 16; Double-crested Cormorant, 10; Water-turkey, 5; Great Blue Heron, 24; Am. Egret, 19; Snowy Egret, 17; Louisiana Heron, 14; Little Blue Heron, 4; Am. Bittern, 6; Canada Goose, 252; White-fronted Goose, 33; Snow Goose, 304; Gadwall, 156; Am. Widgeon, 50; Green-winged Teal, 10; Blue-winged Teal, 48; Shoveller, 7; Redhead, 1; Ring-necked Duck, 4; Canvas-back, 7; Lesser Scaup, 60; Ruddy Duck, 8; Red-breasted Merganser, 2; Turkey Vulture, 15; Black Vulture, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 8; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 19; Am. Coot, 668; Piping Plover, 3; Snowy Plover, 2; Ringed Plover, 10; Killdeer, 35; Black-bellied Plover, 53; Wilson's Snipe, 35; Long-billed Curlew, 8; Willet, 1; Lesser Yellowlegs, 10; Red-backed Sandpiper, 39; Eastern Dowitcher, 60; Semipalmated Sandpiper, 10; Western Sandpiper, 2; Sanderling, 91; Am. Avocet, 15; Herring Gull, 29; Ring-billed Gull, 210; Laughing Gull, 96; Gull-billed Tern, 1; Forster's Tern, 7; Royal Tern, 13; Caspian Tern, 8; Mourning Dove, 6; Belted Kingfisher, 7; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 1; Eastern Phoebe, 7; Vermilion Flycatcher, 3; Horned Lark, 16; Tree Swallow, 2; Blue Jay, 10; Am. Crow, 27; Carolina Chickadee, 17; Tufted Titmouse, 4; Carolina Wren, 5; Mockingbird, 19; Catbird, 1; Brown Thrasher, 7; Am. Robin, 1300; Hermit Thrush, 3; Eastern Bluebird, 15;

Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 5; Water Pipit, 38; Cedar Waxwing, 105; Loggerhead Shrike, 17; Common Starling, 113; Solitary Vireo, 3; Orange-crowned Warbler, 1; Myrtle Warbler, 41; Common Yellowthroat, 4; House Sparrow, 103; Eastern Meadowlark, 29; Red-winged Blackbird, 39; Brewer's Blackbird, 14; Boat-tailed Grackle, 39; Brown-headed Cowbird, 304; Cardinal, 21; Am. Goldfinch, 23; Eastern Towhee, 1; Savannah Sparrow, 4; Seaside Sparrow, 8; Field Sparrow, 1; White-throated Sparrow, 14; Lincoln's Sparrow, 6; Swamp Sparrow, 2. **Total,** 105 species; about 4995 individuals.—Carl H. Aiken, Victor L. Emanuel (compiler), Ronald Fowler, Margaret Robinson, Leota Stilwell, Josiephine Wilkin.

472. Galveston Island, Tex. (same area as in 1956 and previous years; grassy prairies with scattered fresh-water pools 60%, dry prairies and golf courses 10%, tamarisk and oak thickets 15%, beach and bay shores 15%).—Dec. 31; 6:30 a.m. to 5 p.m.; temp. 45° to 65°; wind SE to N, 5-9 m.p.h. Four observers in 3 parties. Total party-hours, 19 (6 on foot, 13 by car); total party-miles, 98 (8 on foot, 90 by car). Common Loon, 6; Eared Grebe, 2; Pied-billed Grebe, 13; White Pelican, 100; Brown Pelican, 65; Double-crested Cormorant, 41; Great Blue Heron, 43; Am. Egret, 53; Snowy Egret, 26; Reddish Egret, 3; Louisiana Heron, 15; Little Blue Heron, 3; **Cattle Egret, 4**; Black-crowned Night Heron, 1; Am. Bittern, 1; White Ibis, 12; Gadwall, 3; Am. Widgeon, 36; Pintail, 200; Blue-winged Teal, 31; Shoveller, 2; Redhead, 2; Canvas-back, 45; Greater Scaup, 2; Lesser Scaup, 120; Am. Golden-eye, 3; Ruddy Duck, 116; Red-breasted Merganser, 2; Red-tailed Hawk, 3; Harlan's Hawk, 1; Marsh Hawk, 14; Sparrow Hawk, 20; Clapper Rail, 2; Florida Gallinule, 3; Am. Coot, 325; Piping Plover, 2; Killdeer, 175; Black-bellied Plover, 47; Ruddy Turnstone, 14; Wilson's Snipe, 1; Long-billed Curlew, 36; Spotted Sandpiper, 2; Willet, 56; Greater Yellow-legs, 18; Lesser Yellow-legs, 3; Least Sandpiper, 10; Red-backed Sandpiper, 47; dowitcher (sp.), 55; Semipalmated Sandpiper, 58; Marbled Godwit, 5; Sanderling, 350; Herring Gull, 64; Ring-billed Gull, 500; Laughing Gull, 300; Gull-billed Tern, 6; Forster's Tern, 25; Common Tern, 2; Royal Tern, 36; Caspian Tern, 3; Black Skimmer, 150; Mourning Dove, 8; Inca Dove, 6; Barn Owl, 1; **Rufous Hummingbird, 1**; Belted Kingfisher, 5; Yellow-shafted Flicker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 4; empidonax flycatcher (probably Least), 1; **Wood Pewee, 2** (carefully identified); Vermilion Flycatcher, 1; Horned Lark, 17; **Rough-winged Swallow, 1**; Blue Jay, 5; Am. Crow, 2; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 5; Mockingbird, 36; Catbird, 1; Brown Thrasher, 5; Am. Robin, 500; Hermit Thrush, 1; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 2; Water Pipit, 4; Cedar Waxwing, 12; Loggerhead Shrike, 27; Common Starling, 400; **Solitary Vireo, 1**; Orange-crowned Warbler, 2; Myrtle Warbler, 200; Common Yellowthroat, 2; **Black-capped Warbler, 1**; House Sparrow, 400; Eastern Meadowlark, 200; Red-winged Blackbird, 46; **Bullock's Oriole, 1**; Brewer's Blackbird, 77; Boat-tailed Grackle, 200; Brown-headed Cowbird, 400; Cardinal, 28; Savannah Sparrow, 8; Sharp-tailed Sparrow, 10; Field Sparrow, 2; White-throated Sparrow, 14; Swamp Sparrow, 6. **Total,** 107 species; about 5948 individuals. (Seen week of count: Green-winged Teal, Cooper's Hawk, Am. Avocet.)—Charles E. Hall (compiler), Octavia Hall, John Hildebrand, Ray C. Jordan.

473. Houston, Tex. (first major change in area in 18 years; moved eastward to include Baytown, Cedar Bayou, Mont Belvieu, more of northern shore of Galveston–Trinity Bay; western part of new area was eastern part of old, enroachment of heavy industry necessitated change; mixed pine and deciduous woods 30%, open prairie 30%, open water 25%, marshland 15%).—Dec. 29; 5:45 a.m. to 5:45 p.m. Clear; temp. 38° to 70°; wind SE to SSE, 0-10 m.p.h.; 7-year drought finally broken. Thirty-two observers in 7 parties. Total party-hours, 89 (45 on foot, 44 by car); total party-miles, 494 (45 on foot, 449 by car). Common Loon, 5; Eared Grebe, 1; **Least Grebe, 1** (Fowler party); Pied-billed Grebe, 54; White Pelican, 649; Double-crested Cormorant, 45; Water-turkey, 9; Great Blue Heron, **184**; Am. Egret, 301; Snowy Egret, 127; Louisiana Heron, 94; Little Blue Heron, 33; Black-crowned Night Heron, 44; Am. Bittern, 1; **Least Bittern, 1** (A.K.M., C.A., V.E.); White Ibis, 1; Canada Goose, 59; White-fronted Goose, 119; Snow Goose, 2671; Blue Goose, 1292; goose (sp.), 80; Mallard, 107; Mottled Duck, 1; Gadwall, 1050; Am. Widgeon, 272; Pintail, 1166; Green-winged Teal, **8427**; Shoveller, 65; Ring-necked Duck, 12; Canvas-back, 383; Lesser Scaup, 857; Am. Golden-eye, 15; Buffle-head, 6; Ruddy Duck, 8; Red-breasted Merganser, 164; duck (sp.), 100; Turkey Vulture, 120; Black Vulture, 65; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 76; Red-shouldered Hawk, 23; **Swainson's Hawk, 1**; White-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 31; Osprey, 1; Audubon's Caracara, 2; Sparrow Hawk, 103; Bob-white, 40; King Rail, 1; Clapper Rail, 2; Virginia Rail, 1; Sora, 1; Florida Gallinule, 1; Am. Coot, 576; Ringed Plover, 3; Killdeer, 644; Black-bellied Plover, 20; Ruddy Turnstone, 3; Am. Woodcock, 1; Wilson's Snipe, 11; Spotted Sandpiper, 5; Willet, 4; Greater Yellow-legs, 33; Lesser Yellow-legs, 9; Least Sandpiper, 8; Red-backed Sandpiper, 83; Eastern Dowitcher, 166; Long-billed Dowitcher, 60; Semipalmated Sandpiper, 355; Western Sandpiper, 2175; Am. Avocet, 43; Herring Gull, 20; Ring-billed Gull, 1162; Laughing Gull, 250; Bonaparte's Gull, 1; Gull-billed Tern, 36; Forster's Tern, 181; **Common Tern, 30**; Royal Tern, 24; Caspian Tern, 67; Black Skimmer, 100; Mourning Dove, 142; **Groove-billed Ani, 2** (carefully identified); Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 21; Yellow-shafted Flicker, 132; Red-shafted Flicker, 1; Pileated Woodpecker, 4; Red-bellied Woodpecker, 22; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 43; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 58; Horned Lark, 26; **Barn Swallow, 4** (seen well); Blue Jay, 102; Am.

Crow, 45; Carolina Chickadee, 142; Tufted Titmouse, 63; Brown-headed Nuthatch, 13; Brown Creeper, 4; House Wren, 23; Carolina Wren, 80; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 6; Mockingbird, 272; Catbird, 2; Brown Thrasher, 63; Am. Robin, 1127; Hermit Thrush, 14; Eastern Bluebird, 90; Blue-gray Gnatcatcher, 191; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 106; Water Pipit, 223; Sprague's Pipit, 8; Cedar Waxwing, 472; Loggerhead Shrike, **279**; Common Starling, 739; Solitary Vireo, 1; Orange-crowned Warbler, 61; **Yellow Warbler, 1** (carefully identified—4 observers); Myrtle Warbler, 903; Pine Warbler, 13; Palm Warbler, 1; **Kentucky Warbler,** 1 (L.T.); Common Yellowthroat, 9; **Black-capped Warbler,** 1; House Sparrow, 325; Eastern Meadowlark, 415; **Western Meadowlark, 4**; Red-winged Blackbird, 15,443; Brewer's Blackbird, 1501; Boat-tailed Grackle, 548; Purple Grackle, 93; Brown-headed Cowbird, 6707; Cardinal, 224; Purple Finch, 3; Am. Goldfinch, 242; Eastern Towhee, 4; Savannah Sparrow, 74; Grasshopper Sparrow, 1; Seaside Sparrow, 4; Vesper Sparrow, 6; Chipping Sparrow, 10; **Clay-colored Sparrow, 3**; Field Sparrow, 29; Harris's Sparrow, 1; White-crowned Sparrow, 16; White-throated Sparrow, 313; Lincoln's Sparrow, 72; Swamp Sparrow, 58; Song Sparrow, 25. **Total,** 154 species (1 additional subspecies); about 56,602 individuals. (Seen in area count period: Blue-winged Teal, Whip-poor-will, Inca Dove, Ground Dove, Winter Wren, Yellow-breasted Chat, **Black-headed Grosbeak.**) [Excellent details for all unusual observations—Ed.]—Carl Aiken, Mrs. Jerry Baker, Mrs. L. A. M. Barnette, Jim Barnette, Sid Barnette, Paul Corneil, Hardin Craig, Jr., Nance Cunningham, Vic Emanuel, Ron Fowler, Mrs. C. B. Gilman, Mr. and Mrs. C. W. Hamilton, Joseph M. Heiser, Mr. and Mrs. L. Hilton, Carrie Holcombe, Mr. and Mrs. Henry S. Hoffman, A. K. McKay, Edna Minor, J. F. Murray, Norma Oates, Margaret Robinson, Clinton Snyder, Leota Stilwell, Lawrence Tabony, Josiephine Wilkin, George G. Williams, Stephen G. Williams (compiler), Ella Wolfer, Armand Yramategui.

474. **Karnack, Tex.** (15-mile diameter circle, center about 1 mile northeast of East Entrance to Caddo Lake State Park, including all of Caddo Lake lying within Texas, Carter and Clinton Lakes, Longhorn Ordnance property, Beers Caddo Lake Airfield, Leigh, Karnack, Baldwin, Smithland, Gay Assembly).—Dec. 29; 4 a.m. to 6 p.m. Clear; temp. 33° to 67°; wind SSE, 0-11 m.p.h. Fifteen observers in 6 parties. Total party-hours, 42 (24 on foot, 12 by car, 6 by boat); total party-miles, 254 (20 on foot, 218 by car, 16 by boat). Common Loon, 3; Eared Grebe, 1; Pied-billed Grebe, 3; Water-turkey, 2; Great Blue Heron, 6; **Reddish Egret, 1** (carefully identified); Mallard, 69; Gadwall, 2; Am. Widgeon, 2; Pintail, 3; Green-winged Teal, 1; Blue-winged Teal, 6; Wood Duck, 21; Canvas-back, 4; Greater Scaup, 2; Lesser Scaup, 6; Turkey Vulture, 85; Black Vulture, 25; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 15; Marsh Hawk, 4; Sparrow Hawk, 13; Bob-white, 62; Am. Coot, 698; Killdeer, 25; Wilson's Snipe, 2; Mourning Dove, 137; Road-runner, 1; Horned Owl, 4; Barred Owl, 3; Belted Kingfisher, 17; Yellow-shafted Flicker, 67; Pileated Woodpecker, 10; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 14; Yellow-bellied Sapsucker, 20; Hairy Woodpecker, 9; Downy Woodpecker, 16; Eastern Phoebe, 10; Blue Jay, 226; Am. Crow, 412; Carolina Chickadee, 37; Tufted Titmouse, 33; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 5; Brown Creeper, 3; House Wren, 2; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 35; Short-billed Marsh Wren, 1; Mockingbird, 92; Brown Thrasher, 18; Am. Robin, 59; Hermit Thrush, 8; Eastern Bluebird, 189; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 32; Loggerhead Shrike, 54; Common Starling, 35; Orange-crowned Warbler, 3; Myrtle Warbler, 17; Pine Warbler, 27; House Sparrow, 60; Eastern Meadowlark, 96; Red-winged Blackbird, 7; Rusty Blackbird, 147; Purple Grackle, 209; Brown-headed Cowbird, 21; Cardinal, 364; Pine Siskin, 2; Am. Goldfinch, 159; Eastern Towhee, 13; Savannah Sparrow, 2; Leconte's Sparrow, 1; Henslow's Sparrow, 2; Vesper Sparrow, 4; Slate-colored Junco, 415; Chipping Sparrow, 3; Field Sparrow, 42; White-throated Sparrow, 407; Fox Sparrow, 6; Lincoln's Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 13. **Total,** 88 species; about 4707 individuals.—Vera Allen, John Arvin, J. P. Ferrill, Albert L. Feser, Estella Feser, Mrs. W. L. Gelling, Robert Hightower, Bob Huntsberger, R. H. Lea, Ed Mahone, Jr., Mrs. E. W. Mahone, Jr., Morgan Muse, H. F. Short, Mrs. Charles Spangler, Gaddis Taylor (compiler).

475. **Laguna Atascosa National Wildlife Refuge, Tex.** (same area as last year).—Dec. 29; 5:30 a.m. to 6 p.m. Partly cloudy; temp. 48° to 75°; wind SE, 10 m.p.h. Seventeen observers in 7 parties. Total party-hours, 72 (27 on foot, 36 by car, 9 by boat); total party-miles, 379 (30 on foot, 315 by car, 34 by boat). Common Loon, 1; Horned Grebe, 3; Eared Grebe, 21; Least Grebe, 2; Pied-billed Grebe, 5; White Pelican, 194; Brown Pelican, 5; Double-crested Cormorant, 67; Olivaceous Cormorant, 387; Water-turkey, 3; Great Blue Heron, 213; Am. Egret, 17; Snowy Egret, 30; Reddish Egret, 419; Louisiana Heron, 10; Little Blue Heron, 1; Green Heron, 1; Black-crowned Night Heron, 11; Am. Bittern, 1; Roseate Spoonbill, 2; Canada Goose, 5350; White-fronted Goose, 1050; Snow Goose, 1165; Blue Goose, 50; Mottled Duck, 60; Gadwall, 165; Am. Widgeon, 33; Pintail, 11,405; Green-winged Teal, 126; Blue-winged Teal, 4; Shoveller, 266; Redhead, 43,819; Ring-necked Duck, 12; Canvas-back, 293; Lesser Scaup, 1564; Buffle-head, 62; Ruddy Duck, 1092; Red-breasted Merganser, 3; Turkey Vulture, 75; Black Vulture, 126; **White-tailed Kite, 1** (periodically all fall); Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 3; Swainson's Hawk, 4; White-tailed Hawk, 8; Rough-legged Hawk, 1; Harris's Hawk, 93; **Bald Eagle, 1** (present since Nov.); Marsh Hawk, 60; Osprey, 2; Audubon's Caracara, 53; **Prairie Falcon, 1** (several days); Peregrine Falcon, 4; Sparrow Hawk, 69; Bob-white,

136; Sandhill Crane, 776; Am. Coot, 200; Piping Plover, 3; Ringed Plover, 51; Killdeer, 80; Black-bellied Plover, 80; Ruddy Turnstone, 31; Wilson's Snipe, 6; Long-billed Curlew, 1255; Spotted Sandpiper, 5; Solitary Sandpiper, 1; Willet, 415; Greater Yellow-legs, 53; Lesser Yellow-legs, 63; Baird's Sandpiper, 1; Least Sandpiper, 157; Red-backed Sandpiper, 319; Eastern Dowitcher, 5; Long-billed Dowitcher, 487; Stilt Sandpiper, **14**; Semipalmated Sandpiper, 548; Western Sandpiper, 542; Marbled Godwit, 38; Sanderling, 34; Am. Avocet, 413; Black-necked Stilt, 4; Herring Gull, 566; Ring-billed Gull, 158; Laughing Gull, 25; Franklin's Gull, 1; Gull-billed Tern, 124; Forster's Tern, 59; Common Tern, 3; Royal Tern, 36; Caspian Tern, 74; Black Skimmer, 24; Mourning Dove, 224; Ground Dove, 25; Inca Dove, 26; White-fronted Dove, 1; Road-runner, 6; Barn Owl, 1; Screech Owl, 1; Horned Owl, 10; Pauraque, 3; Ruby-throated Hummingbird, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Golden-fronted Woodpecker, 28; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 28; **Western Kingbird, 1**; Derby Flycatcher, 28; Eastern Phoebe, 9; Say's Phoebe, 23; Vermilion Flycatcher, 2; Horned Lark, 165; Green Jay, 14; Black-crested Titmouse, 7; Verdin, 26; **Brown Creeper, 1** (seen well—J.M., G.U.); House Wren, 12; Bewick's Wren, 25; Carolina Wren, 3; Cactus Wren, 28; Long-billed Marsh Wren, 1; Mockingbird, 485; Catbird, 1; Sennett's Thrasher, 8; Curve-billed Thrasher, 83; Sage Thrasher, 4; Am. Robin, 213; Eastern Bluebird, 1; Blue-gray Gnatcatcher, 21; Ruby-crowned Kinglet, 6; Water Pipit, 9; Sprague's Pipit, 3; Cedar Waxwing, 51; Loggerhead Shrike, 68; White-eyed Vireo, 6; Solitary Vireo, 2; Black and White Warbler, 1; Orange-crowned Warbler, 15; Myrtle Warbler, 487; Audubon's Warbler, 1; Yellow-throated Warbler, 1; Common Yellowthroat, 9; House Sparrow, 189; Eastern Meadowlark, 549; Red-winged Blackbird, 4197; Hooded Oriole, 1; Brewer's Blackbird, 3934; Boat-tailed Grackle, 3664; Brown-headed Cowbird, 2781; Bronzed Cowbird, 539; Cardinal, 13; Sharpe's Seedeater, 1; Am. Goldfinch, 6; Texas Sparrow, 7; Savannah Sparrow, 181; **Seaside Sparrow, 1** (Mr. and Mrs. I. Davis); Vesper Sparrow, 16; Lark Sparrow, 76; Black-throated Sparrow, 17; Clay-colored Sparrow, 7; Field Sparrow, 3; White-crowned Sparrow, 1; Lincoln's Sparrow, 4; Swamp Sparrow, 2. **Total,** 165 species; about 93,575 individuals. [Excellent details submitted for all unusual observations—Ed.]—Richard O. Albert, Russel W. Clapper, D. A. Crosley, Howard Dean, Mr. and Mrs. L. Irby Davis, Mr. and Mrs. Terry Gill, Luther C. Goldman (compiler), Edward A. Goldman, C. E. Hudson, Jr., Mrs. A. P. Longland, Frank McGilvrey, Dan Stalmach, Mr. and Mrs. E. D. Swedenborg, J. D. Thompson.

476. Midland, Tex. (same area as previous 9 years; short grass plains with mesquite thickets 45%, draws with hackberry, soapberry and mesquite 35%, water 10%, cultivated fields 6%, town, parks and cemeteries 4%).—Dec. 21; 7:30 a.m. to 5:30 p.m. Clear, calm; temp. 31° to 68°. Six observers in 3 parties. Total party-hours, 22 (8 on foot, 14 by car); total party-miles, 88 (6 on foot, 82 by car). Eared Grebe, 1; Great Blue Heron, 1; Shoveller, 13; Canvas-back, 14; Lesser Scaup, 91; Red-tailed Hawk, 3; Ferruginous Hawk, 3; Harris's Hawk, 12; Marsh Hawk, 16; Pigeon Hawk, 1; Sparrow Hawk, 2; Bob-white, 1; Scaled Quail, 14; Sandhill Crane, 13; Killdeer, 24; Wilson's Snipe, 1; Long-billed Curlew, 1; Mourning Dove, 390; Road-runner, 1; Horned Owl, 6; Burrowing Owl, 6; Red-shafted Flicker, 17; Ladder-backed Woodpecker, 15; Say's Phoebe, 3; Horned Lark, 14; White-necked Raven, 109; House Wren, 2; Cactus Wren, 18; Rock Wren, 1; Mockingbird, 36; Curve-billed Thrasher, 6; Am. Robin, 78; Ruby-crowned Kinglet, 1; Water Pipit, 96; Cedar Waxwing, 17; Loggerhead Shrike, 46; Common Starling, 4; Orange-crowned Warbler, 1; Myrtle Warbler, 13; Audubon's Warbler, 12; House Sparrow, 1392; Western Meadowlark, 875; Brewer's Blackbird, 76; Brown-headed Cowbird, 50; Cardinal, 2; Pyrrhuloxia, 58; House Finch, 18; Green-tailed Towhee, 3; Spotted Towhee, 9; Lark Bunting, 1298; Savannah Sparrow, 37; **Grasshopper Sparrow, 2**; Baird's Sparrow, 7; Vesper Sparrow, 112; Cassin's Sparrow, 3; Sage Sparrow, 2; Brewer's Sparrow, 1; Field Sparrow, 2; White-crowned Sparrow, 538; **White-throated Sparrow, 1**; Lincoln's Sparrow, 5; Song Sparrow, 17; longspur (sp.), 49. **Total,** 63 species; about 5660 individuals. (Seen count period: Pintail, Least Sandpiper, Yellow-shafted Flicker).—Walter Ammon, Charles Gaines, Ola Dublin Haynes, Anne LeSassier, Frances Williams (compiler), Harold Williams.

477. Muleshoe National Wildlife Refuge, Tex. (5809 acres; short grass–mesquite pasture 86%, shallow lakes or dry lake beds 12%, tree shelterbelt 2%).—Dec. 21; 7:45 a.m. to 6 p.m. Clear; temp. 24° to 66°; wind W, 0-10 m.p.h.; lakes open. Three observers in 1 party. Total party-hours, 27 (6 on foot, 21 by car); total party-miles, 34 (4 on foot, 30 by car). Canada Goose, 350; Snow Goose, 4; Mallard, 53,000; Am. Widgeon, 22,500; Pintail, 30,500; Green-winged Teal, 1650; Shoveller, 180; Redhead, 62; Lesser Scaup, 1; Buffle-head, 70; Ruddy Duck, 41; Red-tailed Hawk, 4; Rough-legged Hawk, 5; Ferruginous Hawk, 3; Golden Eagle, 4; Marsh Hawk, 25; Scaled Quail, 157; Sandhill Crane, **55,000**; Am. Coot, 80; Ring-billed Gull, 1; Mourning Dove, 12; Horned Owl, 2; Burrowing Owl, 1; Red-shafted Flicker, 2; Ladder-backed Woodpecker, 1; Horned Lark, 234; Rock Wren, 1; Sage Thrasher, 1; Am. Robin, 1; Cedar Waxwing, 1; Loggerhead Shrike, 9; Common Starling, 11; House Sparrow, 60; Western Meadowlark, 210; Red-winged Blackbird, 20; Lark Bunting, 152; Savannah Sparrow, 8; Vesper Sparrow, 6; Oregon Junco, 1; White-crowned Sparrow, 44; Song Sparrow, 12. **Total,** 41 species; about 164,427 individuals. (Seen in area count period: Sparrow Hawk.)—Elizabeth C. Darnell, Robert L. Darnell (compiler), Richard E. Marquardt.

478. Odessa, Tex. (7½-mile radius centering where Farm Road 1788 crosses Monahans Draw 5 miles south of U. S. 80, including sections of Monahans Draw, and Dora Roberts, Parks and Warfield

oil fields; draw with running water, hackberry trees, dense thorny chaparral, Bermuda grass 50%, short grass plains with scattered mesquite, yucca, condalia, oil storage tanks 35%, dry draw with hackberry and dense thorny chaparral 15%).—Dec. 26; 8:30 a.m. to 4:30 p.m. Partly cloudy; temp. 31° to 50°; wind SW, 5-15 m.p.h. Two observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 65 (4 on foot, 61 by car). Red-tailed Hawk, 1; Ferruginous Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Scaled Quail, 1; Killdeer, 8; Wilson's Snipe, 14; Mourning Dove, 5; Horned Owl, 2; Red-shafted Flicker, 3; Ladder-backed Woodpecker, 9; **Vermilion Flycatcher, 1**; Horned Lark, 52; Cactus Wren, 1; Mockingbird, 25; Curve-billed Thrasher, 4; Water Pipit, 4; Loggerhead Shrike, 12; Common Starling, 3; House Sparrow, 52; Western Meadowlark, 19; Red-winged Blackbird, 352; Rusty **Blackbird, 2**; Brewer's Blackbird, 28; Brown-headed Cowbird, 260; Pyrrhuloxia, 11; House Finch, 5; Lesser Goldfinch, 7; Green-tailed Towhee, 6; Spotted Towhee, 3; Lark Bunting, 625; Savannah Sparrow, 5; Vesper Sparrow, 6; Rufous-crowned Sparrow, 2; Brewer's Sparrow, 6; Field Sparrow, 4; White-crowned Sparrow, 512; Lincoln's Sparrow, 8; Song Sparrow, 13. **Total,** 39 species; about 2078 individuals.—Anne LeSassier, Frances Williams (compiler).

479. Palmetto State Park, Tex. (same area and habitats as previous 2 years).—Dec. 21; 8 a.m. to 5 p.m. Clear; temp. 41° to 70°; wind calm to SE, 8 m.p.h.; ground dry. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 20 (4 on foot, 16 by car). Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 1; Am. Bittern, 1; Lesser Scaup, 4; Turkey Vulture, 16; Red-shouldered Hawk, 3; Sparrow Hawk, 2; Am. Coot, 89; Killdeer, 24; Mourning Dove, 76; Ground Dove, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 14; Downy Woodpecker, 1; Ladder-backed Woodpecker, 2; Eastern Phoebe, 21; Blue Jay, 25; Am. Crow, 16; Carolina Chickadee, 25; Tufted Titmouse, 17; Brown Creeper, 2; House Wren, 12; Bewick's Wren, 5; Carolina Wren, 20; Mockingbird, 81; Brown Thrasher, 9; Am. Robin, 131; Hermit Thrush, 27; Eastern Bluebird, 33; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 46; Cedar Waxwing, 72; Loggerhead Shrike, 6; Common Starling, 101; **White-eyed Vireo, 1**; Solitary Vireo, 2; Orange-crowned Warbler, 10; Myrtle Warbler, 132; Common Yellowthroat, 3; House Sparrow, 7; Western Meadowlark, 19; Red-winged Blackbird, 8; Purple Grackle, 6; Brown-headed Cowbird, 14; Cardinal, 106; Am. Goldfinch, 135; [Eastern Towhee, 3 + Spotted Towhee, 45]; Savannah Sparrow, 2; Vesper Sparrow, 31; Lark Sparrow, 23; Slate-colored Junco, 2; Field Sparrow, 101; Harris's Sparrow, 8; White-throated Sparrow, 273; Fox Sparrow, 17; Lincoln's Sparrow, 66; Swamp Sparrow, 1; Song Sparrow, 5. **Total,** 61 species (1 additional subspecies); about 1929 individuals.—Ada Marie Webster, Fred S. Webster, Jr. (compiler).

480. San Antonio, Tex. (same area as previous year).—Dec. 28; 7 a.m. to 6 p.m. Clear; temp. 38° to 63°; wind N, 5-10 m.p.h. Sixteen observers in 6 parties. Total party-hours, 56 (35 on foot, 21 by car); total party-miles, 192 (29 on foot, 163 by car). Eared Grebe, 8; Least Grebe, 8; Pied-billed Grebe, 40; Great Blue Heron, 1; Am. Egret, **97**; Green Heron, 2; Black-crowned Night Heron, **25**; Gadwall, 10; Am. Widgeon, 5; Pintail, 3; Shoveller, 20; Redhead, 6; Ring-necked Duck, 12; Canvasback, 59; Lesser Scaup, **375**; Ruddy Duck, 43; Turkey Vulture, 8; Black Vulture, 8; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 14; Swainson's Hawk, 1; Harris's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 35; Bob-white, 11; Am. Coot, 81; Killdeer, 49; Wilson's Snipe, 14; Lesser Yellow-legs, 9; Least Sandpiper, 70; Semipalmated Sandpiper, 20; Mourning Dove, 1788; Ground Dove, 1; Inca Dove, 62; Road-runner, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Red-shafted Flicker, 5; Golden-fronted Woodpecker, 40; Red-headed Woodpecker, **1** (carefully identified); Yellow-bellied Sapsucker, 16; Ladder-backed Woodpecker, 25; Eastern Phoebe, 34; Say's Phoebe, 1; Vermilion Flycatcher, 6; **Tree Swallow, 4** (carefully identified); Blue Jay, 2; Scrub Jay, 4; Carolina Chickadee, 12; Black-crested Titmouse, 104; Verdin, 26; Brown Creeper, 2; House Wren, 8; Winter Wren, 2; Bewick's Wren, 44; Carolina Wren, 12; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 3; Cañon Wren, 6; Mockingbird, 318; Brown Thrasher, 3; Sennett's Thrasher, 2; Am. Robin, 426; Hermit Thrush, 5; **Olive-backed Thrush, 2**; Eastern Bluebird, 65; Mountain Bluebird, 10; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 25; Water Pipit, 20; Cedar Waxwing, 255; Loggerhead Shrike, 19; Common Starling, 4201; White-eyed Vireo; 2; Orange-crowned Warbler, 8; Myrtle Warbler, 335; Common Yellowthroat, 9; House Sparrow, 965; Western Meadowlark, 179. Red-winged Blackbird, 508; Brewer's Blackbird, 18; Boat-tailed Grackle, 5090; Brown-headed Cowbird, 9380; Cardinal, 162; Pyrrhuloxia, 16; House Finch, 87; Am. Goldfinch, 294; Lesser Goldfinch, 89; Green-tailed Towhee, 2; Spotted Towhee, 44; Lark Bunting, 13; Savannah Sparrow, 39; Vesper Sparrow, 120; Lark Sparrow, 272; Black-throated Sparrow, 5; Slate-colored Junco, 1; Chipping Sparrow, 38; Clay-colored Sparrow, 2; Field Sparrow, 54; Harris's Sparrow, 1; White-crowned Sparrow, 78; White-throated Sparrow, 22; Lincoln's Sparrow, 85; Swamp Sparrow, 1; Song Sparrow, 18. **Total,** 108 species, about 26,567 individuals. (Seen count period: Cactus Wren, Curve-billed Thrasher, Blue-gray Gnatcatcher, Solitary Vireo, Black-throated Green Warbler.)—Charles Bender, Elizabeth Blount (compiler), David Cook, Mr. and Mrs. H. Karl, Mr. and Mrs. J. Kush, Mrs. G. Loftin, Mrs. W. E. Mahavior, Maurine McFarland, Mrs. S. Milliken, Mr. and Mrs. D. Smith, M. Smith, Edith Wilson, Mrs. H. Wright (San Antonio Audubon Society).

481. Santa Ana National Wildlife Refuge, Tex. (same area as last year).—Dec. 27; 6 a.m. to 6 p.m.

Cloudy; temp. 67° to 78°; wind S, 14 m.p.h. Fourteen observers in 6 parties. Total party-hours, 91 (21 on foot, 70 by car); total party-miles, 94 (21 on foot, 73 by car). Least Grebe, 10; Pied-billed Grebe, 11; Water-turkey, 1; Great Blue Heron, 5; Am. Egret, 3; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 1; Canada Goose, 13; White-fronted Goose, 8; Gadwall, 57; Green-winged Teal, 42; Cinnamon Teal, 6; Shoveller, 17; Ring-necked Duck, 36; Canvas-back, 2; Lesser Scaup, 15; Ruddy Duck, 1; Turkey Vulture, 21; Black Vulture, 82; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Ferruginous Hawk, 1; Harris's Hawk, 30; Marsh Hawk, 5; Audubon's Caracara, 1; Pigeon Hawk, 2; Sparrow Hawk, 29; Chachalaca, 38; **Jacana, 1** (carefully identified—Cottam party); Am. Coot, 129; Killdeer, 28; Spotted Sandpiper, 7; Solitary Sandpiper, 2; Willet, 2; Lesser Yellow-legs, 2; Least Sandpiper, 6; Western Sandpiper, 9; Ring-billed Gull, 1; Mourning Dove, 220; Ground Dove, 49; Inca Dove, 37; White-fronted Dove, 36; Road-runner, 3; **Yellow-billed Cuckoo, 1** (carefully identified); Pauraque, 9; Yellow-shafted Flicker, 6; Golden-fronted Woodpecker, 42; Yellow-bellied Sapsucker, 9; Ladder-backed Woodpecker, 59; Derby Flycatcher, 57; Eastern Phoebe, 22; Say's Phoebe, 1; empidonax flycatcher (sp.), 1; Vermilion Flycatcher, 10; **Cliff Swallow, 1**; Green Jay, 121; White-necked Raven, 151; Black-crested Titmouse, 18; Verdin, 8; House Wren, 9; Bewick's Wren, 4; Carolina Wren, 1; Long-billed Marsh Wren, 1; Mockingbird, 69; Sennett's Thrasher, 17; Curve-billed Thrasher, 3; Sage Thrasher, 1; Am. Robin, 349; Hermit Thrush, 3; Eastern Bluebird, 10; Blue-gray Gnatcatcher, 79; Ruby-crowned Kinglet, 26; Water Pipit, 15; Cedar Waxwing, 122; Loggerhead Shrike, 18; White-eyed Vireo, 6; Yellow-throated Vireo, 2; Solitary Vireo, 3; Black and White Warbler, 2; Orange-crowned Warbler, 23; **Parula Warbler, 1** (carefully identified); Myrtle Warbler, 189; Audubon's Warbler, 3; Black-throated Green Warbler, 2; **Blackburnian Warbler, 1**; Yellow-throated Warbler, 1; Common Yellowthroat, 11; House Sparrow, 359; Eastern Meadowlark, 46; Yellow-headed Blackbird, 4; Red-winged Blackbird, 594; Alta Mira Oriole, 3; Boat-tailed Grackle, 333; Brown-headed Cowbird, 716; Bronzed Cowbird, 75; Cardinal, 76; Pyrrhuloxia, 6; Indigo Bunting, 1; Sharpe's Seedeater, 4; Pine Siskin, 2; Am. Goldfinch, 110; Texas Sparrow, 3; Savannah Sparrow, 5; Grasshopper Sparrow, 1; Vesper Sparrow, 2; Lark Sparrow, 1; Black-throated Sparrow, 2; Clay-colored Sparrow, 2; Field Sparrow, 1; White-crowned Sparrow, 2; White-throated Sparrow, 14; Lincoln's Sparrow, 8. **Total,** 114 species; about 4838 individuals. (In area count period: Audubon's Oriole.)—Russel W. Clapper, Clarence C. Cottam, Mrs. Myrtle Gaffin, Luther C. Goldman (compiler), Mrs. Gladys C. Galligar, Mrs. A. P. Longland, Frank McGilvrey, C. N. Moore, P. B. Myers, Theodore M. Sperry, Mr. and Mrs. E. D. Swedenborg, Mary Young, Katharine Young.

482. Sherman, Tex. (15-mile diameter circle extending from Sherman on east to Sadler on west, from Pottsboro on north to Southmayd on south, includes upper part of Hagerman Wildlife Refuge on Big Mineral Fork of Lake Texoma; cultivated fields and meadows 91%, wooded creekbottoms 3%, lakes and ponds 6%).—Dec. 21; 6 a.m. to 7 p.m. Clear; temp. 42° to 68°; wind SSW, 0-15 m.p.h. Four observers in 2 parties. Total party-hours, 24 (10 on foot, 14 by car); total party-miles, 140 (11 on foot, 129 by car). Pied-billed Grebe, 1; Double-crested Cormorant, 4; Great Blue Heron, 15; Canada Goose, 3000 (3 races); Snow Goose, 1; Blue Goose, 4; Mallard, 4500; Black Duck, 2; Gadwall, 2; Am. Widgeon, 15; Pintail, 41; Blue-winged Teal, 3; Shoveller, 6; Redhead, 6; Lesser Scaup, 3; Am. Merganser, 5; Turkey Vulture, 12; Black Vulture, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Sparrow Hawk, 7; Killdeer, 80; Wilson's Snipe, 3; Least Sandpiper, 7; Herring Gull, 1; Ring-billed Gull, 10; Mourning Dove, 274; Road-runner, 1; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 4; **Ladder-backed Woodpecker, 1** (R.T.L.); Blue Jay, 21; Am. Crow, 91; Carolina Chickadee, 23; Tufted Titmouse, 13; Brown Creeper, 1; House Wren, 1; Bewick's Wren, 5; Carolina Wren, 3; Mockingbird, 12; Brown Thrasher, 8; Am. Robin, 76; Hermit Thrush, 1; Eastern Bluebird, 23; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 8; Water Pipit, 1; Loggerhead Shrike, 49; Common Starling, 628; Myrtle Warbler, 4; House Sparrow, 107; Eastern Meadowlark, 353; Red-winged Blackbird, 99; Rusty Blackbird, 25; Purple Grackle, 2; Brown-headed Cowbird, 1; Cardinal, 71; Purple Finch, 8; Am. Goldfinch, 161; [Eastern Towhee, 5 + Spotted Towhee, 3]; Savannah Sparrow, 53; Vesper Sparrow, 1; Slate-colored Junco, 58; Field Sparrow, 84; Harris's Sparrow, 120; White-crowned Sparrow, 4; White-throated Sparrow, 78; Lincoln's Sparrow, 1; Song Sparrow, 8. **Total,** 75 species (3 additional subspecies); about 10,281 individuals.—J. P. Ferrill (compiler), Robert T. Lynn, Gaddis Taylor, Charles L. Ward.

483. Tyler, Tex. (15-mile diameter circle, center where Highway 69 crosses Mud Creek south of Tyler).—Dec. 28; 6 a.m. to 7 p.m. Clear; temp. 40° to 60°; wind N, 0-5 m.p.h. Twelve observers in 6 parties. Total party-hours, 59 (30 on foot, 29 by car); total party-miles, 325 (19 on foot, 306 by car). Common Loon, 1; Pied-billed Grebe, 18; Great Blue Heron, 4; Mallard, 1; Am. Widgeon, 3; Blue-winged Teal, 1; Wood Duck, 1; Redhead, 11; Ring-necked Duck, 2; Canvas-back, 14; Greater Scaup, 61; Lesser Scaup, 172; Ruddy Duck, 4; Turkey Vulture, 88; Black Vulture, 20; Sharp-shinned Hawk, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 12; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 13; Bob-white, 71; Am. Coot, 500; Killdeer, 104; Wilson's Snipe, 3; Mourning Dove, 159; Screech Owl, 3; Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 112; Red-bellied Woodpecker, 75; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 32; Hairy

Woodpecker, 10; Downy Woodpecker, 15; Eastern Phoebe, 19; Blue Jay, 302; Am. Crow, 101; Carolina Chickadee, 69; Tufted Titmouse, 78; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 4; Brown Creeper, 5; House Wren, 4; Winter Wren, 1; Bewick's Wren, 16; Carolina Wren, 56; Mockingbird, 135; Brown Thrasher, 85; Am. Robin, 219; Hermit Thrush, 36; Eastern Bluebird, 223; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 113; Water Pipit, 1; Cedar Waxwing, 274; Loggerhead Shrike, 88; Common Starling, 135; Orange-crowned Warbler, 1; Myrtle Warbler, 258; Pine Warbler, 44; House Sparrow, 286; Eastern Meadowlark, 228; Western Meadowlark, 9; Red-winged Blackbird, 813; Rusty Blackbird, 321; Brewer's Blackbird, 355; Purple Grackle, 1515; Brown-headed Cowbird, 356; Cardinal, 358; Purple Finch, 3; Pine Siskin, 2; Am. Goldfinch, 395; [Eastern Towhee, 70 + Spotted Towhee, 8]; Savannah Sparrow, 44; Leconte's Sparrow, 8; Vesper Sparrow, 37; Slate-colored Junco, 312; Chipping Sparrow, 88; Field Sparrow, 644; Harris's Sparrow, 13; White-crowned Sparrow, 12; White-throated Sparrow, 861; Fox Sparrow, 33; Lincoln's Sparrow, 21; Swamp Sparrow, 51; Song Sparrow, 135. **Total,** 88 species (1 additional subspecies); about 10,850 individuals.—John Arvin, Michael Carmichael (compiler), Mrs. F. L. Carmichael, J. P. Ferrill, George Fisher, Ann Huey, L. G. Huey, Robert L. Lance, Eldon W. Lyle, O. C. Sheffield, James Stewart, Jr., Mrs. Gaddis Taylor, (Tyler Audubon Society).

484. **Waco, Tex.** (7½-mile radius centering on entrance to Cameron Park, including Lake Waco; deciduous woods 50%, lake 30%, gravel pits 15%, open fields 5%).—Dec. 21; 7 a.m. to 5 p.m. Clear; temp. 40° to 68°; wind SW, 3-10 m.p.h. Ten observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 41 (7 on foot, 34 by car). Eared Grebe, 2; Pintail, 2; Blue-winged Teal, 3; Redhead, 2; Canvas-back, 18; Lesser Scaup, 2; Bufflehead, 1; Ruddy Duck, 3; Turkey Vulture, 17; Red-tailed Hawk, 6; Sparrow Hawk, 2; Am. Coot, 250; Killdeer, 10; Ring-billed Gull, 1; Mourning Dove, 4; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 19; Am. Crow, 15; Carolina Chickadee, 24; Tufted Titmouse, 8; Red-breasted Nuthatch, 7; House Wren, 2; Carolina Wren, 14; Mockingbird, 31; Brown Thrasher, 2; Am. Robin, 54; Hermit Thrush, 4; Eastern Bluebird, 8; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 10; Cedar Waxwing, 55; Loggerhead Shrike, 4; Common Starling, 45; Orange-crowned Warbler, 1; Myrtle Warbler, 22; Yellow-throated Warbler, 1; House Sparrow, 150; Eastern Meadowlark, 25; Red-winged Blackbird, 25; Purple Grackle, 125; Brown-headed Cowbird, 400; Cardinal, 36; Am. Goldfinch, 22; Eastern Towhee, 1; Savannah Sparrow, 5; Lark Sparrow, 1; Slate-colored Junco, 3; Clay-colored Sparrow, 1; Field Sparrow, 11; White-throated Sparrow, 77; Swamp Sparrow, 2; Song Sparrow, 2. **Total,** 58 species; about 1584 individuals.—LaVerne Albert, C. W. Christian, Mabel M. Cortright (compiler), Lorene Davidson, Alma G. Durham, Herbert Schwetman, Rosemary Schwetman, Charles G. Smith, Cornelia M. Smith, Donald Woodard.

485. **Welder Wildlife Refuge, Tex.** (refuge 2½ x 10 miles, 9 miles northeast of Sinton).—Dec. 30; 6 a.m. to 6:30 p.m. Clear; temp. 55° to 70°; wind 5-12 m.p.h. Five observers in 3 parties. Total party-hours, 38 (18 on foot, 20 by car); total party-miles, 67 (10 on foot, 57 by car). Eared Grebe, 10; Least Grebe, 6; Pied-billed Grebe, 32; White Pelican, 9; Double-crested Cormorant, 1; Olivaceous Cormorant, 14; Water-turkey, 5; Great Blue Heron, 23; Am. Egret, 16; Louisiana Heron, 6; **Yellow-crowned Night Heron, 3**; **Am. Bittern, 1**; White-faced Ibis, 7; White-fronted Goose, 1; Snow Goose, 47; Blue Goose, 3; Mallard, 6; Mottled Duck, 2; Gadwall, 200; Am. Widgeon, 75; Pintail, 400; Green-winged Teal, 75; Blue-winged Teal, 6; Cinnamon Teal, 12; Shoveller, 200; Redhead, 45; Ring-necked Duck, 70; Canvas-back, 17; Lesser Scaup, 35; Ruddy Duck, 100; Turkey Vulture, 20; Black Vulture, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; White-tailed Hawk, 4; Marsh Hawk, 13; Audubon's Caracara, 5; Sparrow Hawk, 15; Bob-white, 32; Turkey, 100+; Sandhill Crane, 76; Am. Coot, 600; Killdeer, 24; Wilson's Snipe, 40; Long-billed Curlew, 1; **Spotted Sandpiper, 1** (C.C.); Lesser Yellow-legs, 4; Ring-billed Gull, 5; Forster's Tern, 4; Caspian Tern, 2; Mourning Dove, 500; Ground Dove, 22; Road-runner, 2; Horned Owl, 2; Barred Owl, 2; **Pauraque, 2**; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Golden-fronted Woodpecker, 8; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 9; Eastern Phoebe, 6; **empidonax (probably Least), 2**; Vermilion Flycatcher, 4; Horned Lark, 2; Tree Swallow, 6; Tufted Titmouse, 4; Verdin, 2; House Wren, 13; Bewick's Wren, 8; Carolina Wren, 2; Mockingbird, 40; Brown Thrasher, 6; Am. Robin, 18; Hermit Thrush, 3; Eastern Bluebird, 9; Blue-gray Gnatcatcher, 20; Ruby-crowned Kinglet, 12; Water Pipit, 6; Loggerhead Shrike, 37; Common Starling, 55; **White-eyed Vireo, 3**; Black and White Warbler, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 26; Common Yellowthroat, 2; House Sparrow, 1; Eastern Meadowlark, 50; Western Meadowlark, 75; Red-winged Blackbird, 300; Brewer's Blackbird, 16; Boat-tailed Grackle, 100; Brown-headed Cowbird, 300; Cardinal, 150; Pyrrhuloxia, 7; Am. Goldfinch, 10; Spotted Towhee, 6; Savannah Sparrow, 200; Grasshopper Sparrow, 4; Sharp-tailed Sparrow, 2 (Nelson's); Vesper Sparrow, 300; Lark Sparrow, 6; Cassin's Sparrow, 1; Chipping Sparrow, 8; Clay-colored Sparrow, 30; Field Sparrow, 50; White-throated Sparrow, 75; **Fox Sparrow, 1**; Lincoln's Sparrow, 50; Swamp Sparrow, 2; Song Sparrow, 2. **Total,** 112 species; about 5057 individuals.—Thad Box, Clarence Cottam (compiler), Mrs. Margery Cottam, W. Caleb Glazener, Mrs. Carolyn Stevenson.

486. **Billings, Mont.** (7½-mile radius centering on Carter Oil Refinery in Yellowstone Valley between

Billings and Huntley; irrigated farmlands 45%, upland pasture and wheatfields 20%, rimrocks 10%, bottomland timber 5%, water areas 10%, urban 10%).—Dec. 21; 8 a.m. to 5:30 p.m. Partly cloudy; temp. 35° to 53°; wind W, 5-15 m.p.h.; no snow, some ponds and reservoirs only partly frozen. Seven observers in 4 parties. Total party-hours, 26 (16 on foot, 10 by car); total party-miles, 189 (15 on foot, 174 by car). Great Blue Heron, 7; **Whistling Swan, 1** (on open water in reservoir); Canada Goose, 19; Mallard, 273; **Green-winged Teal, 1**; **Redhead, 2**; **scaup (sp.), 5**; Am. Golden-eye, 108; Red-tailed Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 1; **Sage Hen, 11**; Ring-necked Pheasant, 77; Killdeer, 9; Wilson's Snipe, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 26; Hairy Woodpecker, 1; Downy Woodpecker, 5; Am. Magpie, 332; Piñon Jay, 32; Black-capped Chickadee, 164; Mountain Chickadee, 1; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Brown Creeper, 4; Am. Robin, 32; Townsend's Solitaire, 10; Bohemian Waxwing, 40; Cedar Waxwing, 38; Gray Shrike, 2; Common Starling, 211; House Sparrow, 322; Western Meadowlark, 121; Red-winged Blackbird, 10; Evening Grosbeak, 28; Pine Grosbeak, 36; Common Redpoll, **527**; Pine Siskin, 6; Am. Goldfinch, 3; Slate-colored Junco, 50; Oregon Junco, 55; Am. Tree Sparrow, 85; White-crowned Sparrow, 3; Song Sparrow, 16. **Total,** 48 species; about 2691 individuals. (Seen count period: Golden Eagle, **White-winged Crossbill.**)—Ralph Andrews, Mrs. Della Burchett, Bruce Hendricks, Mrs. Philip Hendricks, Louis Moos, Liven Peterson (compiler), Winifred Stull (Billings Audubon Society).

487. Bozeman, Mont. (Gallatin Valley from Lower Bridger Canyon and Sourdough Creek northwest to Belgrade between Bridger foothills and West Gallatin River; cultivated land 70%, range 15%, brush 10%, marsh 3%, city parks, cemetery and dump 2%).—Dec. 28; 8 a.m. to 4:30 p.m. Overcast to clear; temp. 20° to 40°; wind NW, 0-2 m.p.h.; 1-4-in. fresh snow, exposed water in most streams and ponds. Six observers in 1 party. Total party-hours, 8½ (3½ on foot, 5 by car); total party-miles, 75 (5 on foot, 70 by car). Mallard, 27; Sharp-shinned Hawk, 1; Rough-legged Hawk, 1; Golden Eagle, 1; Prairie Falcon, 1; Ring-necked Pheasant, 5; Wilson's Snipe, 10; Horned Owl, 3; Belted Kingfisher, 2; Red-shafted Flicker, 3; Downy Woodpecker, 5; Am. Magpie, 200; Am. Crow, 35; Clark's Nutcracker, 1; Black-capped Chickadee, 6; Mountain Chickadee, 7; Red-breasted Nuthatch, 4; Brown Creeper, 2; Am. Dipper, 1; Townsend's Solitaire, 6; Bohemian Waxwing, 75; Gray Shrike, 5; Common Starling, 869; House Sparrow, 2610; Western Meadowlark, 9; Evening Grosbeak, 80; Pine Grosbeak, 29; Common Redpoll, 104; Red Crossbill, 40; Oregon Junco, 4; Am. Tree Sparrow, 33; Song Sparrow, 6. **Total,** 32 species; about 4185 individuals.—Clifford V. Davis (compiler), Mary Geis, Elma Lott, Homer Metcalf, David Skaar, Robert Turner.

488. Great Falls, Mont. (same area as 1956; city, suburbs, airbase 20%, river and marsh 5%, buttes and ravines 10%, cottonwoods–juniper forest 8%, range 27%, cultivated land 30%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. 28° to 40°; wind 20-30 m.p.h.; no moisture has fallen for 2 months, ice floes jammed above Black Eagle Dam. Four observers in 2 parties. Total party-hours, 17 (6 on foot, 11 by car); total party-miles, 162 (16 on foot, 146 by car). Mallard, 1182; Gadwall, 11; Am. Widgeon, 1; Blue-winged Teal, 1; Redhead, 5; Canvas-back, 1; Lesser Scaup, 11; Am. Golden-eye, **2764**; Barrow's Golden-eye, 1; Buffle-head, 13; Ruddy Duck, 5; Hooded Merganser, 3; Am. Merganser, 25; Rough-legged Hawk, 2; Golden Eagle, 1; Ring-necked Pheasant, 9; Am. Coot, 41; Wilson's Snipe, 1; Horned Owl, 1; Red-shafted Flicker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 13; Am. Magpie, 78; Black-capped Chickadee, 2; Mountain Chickadee, 2; Brown Creeper, 1; Am. Dipper, 1; Gray Shrike, 1; House Sparrow, 312; Brewer's Blackbird, 1; Gray-crowned Rosy Finch, 1; Common Redpoll, 55; Am. Tree Sparrow, 1. **Total,** 34 species; about 4558 indivduals. (Seen count period: Prairie Falcon, Bohemian Waxwing.)—John Person (compiler), Gorham Swanberg, Jeff Walker, Tom Walker.

489. Helena, Mont. (7½-mile radius centering in northeast ¼ of Section 35, R.3W, T.10N; including Helena, East Helena, Lake Helena, Hauser Lake, most of Helena valley; urban 5%, coniferous forest 25%, lake, river, creek, 15%, open field 45%, deciduous woodlots 10%).—Dec. 21; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 30° to 45°; wind SW, 2-15 m.p.h.; some 1-in. crusted snow, ponds frozen, Missouri River and creeks open. Four observers in 2 parties. Total party-hours, 30 (10 on foot, 20 by car); total party-miles, 125 (5 on foot, 120 by car). **Great Blue Heron, 2**; Canada Goose, 1; Mallard, 2; Am. Golden-eye, 21; Rough-legged Hawk, 1; **Gyrfalcon, 1** (carefully identified); Ring-necked Pheasant, 10; **Killdeer, 9**; Wilson's Snipe, 4; Red-shafted Flicker, 4; Downy Woodpecker, 4; Am. Magpie, 125; Clark's Nutcracker, 6; Black-capped Chickadee, 5; Mountain Chickadee, 30; Red-breasted Nuthatch, 12; Brown Creeper, 1; Am. Dipper, 2; Townsend's Solitaire, 9; Bohemian Waxwing, 250; Common Starling, 6; House Sparrow, 150; **Western Meadowlark, 4** (25 feet away); Gray-crowned Rosy Finch, 1; Common Redpoll, 250; Red Crossbill, 10; Am. Tree Sparrow, 20; Song Sparrow, 1. **Total,** 28 species; about 941 individuals. (Seen in area count period: Marsh Hawk, Prairie Falcon, Pigeon Hawk, Hairy Woodpecker, Piñon Jay, Evening Grosbeak, Pine Siskin.)—C. L. Beveridge (compiler), Terry Copenhaver, Pat Goins, Ann Scofield.

490. Libby, Mont. (approximately same area as last 2 years; town and lumber yard 30%, river, creeks, ponds 45%, coniferous woods 10%, fields 10%, mixed woods 5%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy, clearing mid-morning; temp. 16° to 27°; no wind; 10-in. snow, water unfrozen except ponds almost com-

pletely ice-covered. Six observers in 1-2 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 30 (11 on foot, 19 by car). Mallard, 33; golden-eye (sp.), 3; Am. Merganser, 5; Pigeon Hawk, 1; Killdeer, 1; Wilson's Snipe, 19; Belted Kingfisher, 2; Red-shafted Flicker, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Steller's Jay, 2; Am. Magpie, 1; Common Raven, 21; Clark's Nutcracker, 1; Black-capped Chickadee, 13; Mountain Chickadee, 9; Red-breasted Nuthatch, 3; Brown Creeper, 7; Am. Dipper, 4; Golden-crowned Kinglet, 13; Bohemian Waxwing, 21; House Sparrow, 54; Evening Grosbeak, 70; Pine Grosbeak, 73; Common Redpoll, 6; Oregon Junco, 2; Song Sparrow, 9. **Total,** 28 species; about 384 individuals. (Seen in area count period: Common Starling.) [Exceptionally neat, carefully prepared report—Ed.]—Charles Clough, Charles Decker, Donald Peterson, Thomas Rogers (compiler).

491. **Virgelle, Mont.** (about 2½ miles west and same distance east of Virgelle car ferry along north side of Missouri River; riverbottoms 65%, bluffs and badlands 15%, wheat fields 10%, range pasture 10%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Clear; temp. 20° to 41°; wind SW, 0-30 m.p.h.; ground bare, Missouri River open. Two observers in 1 party. Total party-hours, 8 (all on foot); total party-miles, 15 (all on foot). Am. Golden-eye, 5; Am. Merganser, 8; Bald Eagle, 3; Ring-necked Pheasant, 2; Am. Magpie, 25; Black-capped Chickadee, 8; House Sparrow, 35. **Total,** 7 species; about 86 individuals. (Seen in area count period: Mountain Chickadee, Gray Shrike, Common Redpoll.)—Nils P. Dahlstrand (compiler), John Heck.

492. **Casper, Wyo.** (same area as 1948 and subsequent years; North Platte River valley from just east of town to Speas Ranch warm spring on west, including adjacent prairies, cliffs and Casper Mountain; altitude 5100-8000 ft).—Dec. 29; 6 a.m. to 4:30 p.m. Clear; temp. 37° to 45°; wind SW, 20 m.p.h.; prairies mostly bare, 14-in. snow on mountain, river frozen except area kept open by warm springs. Twenty observers in 5 parties. Total party-hours, 33 (15 on foot, 18 by car and ski); total party-miles, 134 (15 on foot, 114 by car, 5 on ski). Mallard, 5; Am. Golden-eye, 3; Rough-legged Hawk, 1; Golden Eagle, 9; Bald Eagle, 2; Marsh Hawk, 6; **Pigeon Hawk, 1**; Blue Grouse, 1; Sage Hen, 8; Wilson's Snipe, 12; Horned Owl, 7; Red-shafted Flicker, 21; Hairy Woodpecker, 4; Downy Woodpecker, 5; Horned Lark, 18; Gray Jay, 1; Steller's Jay, 9; Am. Magpie, 172; Clark's Nutcracker, 10; Black-capped Chickadee, 47; Mountain Chickadee, 23; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 3; Am. Dipper, 4; Winter Wren, 1; **Long-billed Marsh Wren, 1**; Am. Robin, 5; Mountain Bluebird, 1; Townsend's Solitaire, 12; Bohemian Waxwing, 491; Gray Shrike, 1; Common Starling, 104; House Sparrow, 375; Western Meadowlark, 4; Brewer's Blackbird, 8; Evening Grosbeak, 2; House Finch, 8; Gray-crowned Rosy Finch, 710; Common Redpoll, 110; Pine Siskin, 2; Am. Goldfinch, 1; Slate-colored Junco, 10; Oregon Junco, 37 (22 Pink-sided); Am. Tree Sparrow, 121; Harris's Sparrow, 4; Song Sparrow, 36. **Total,** 46 species (1 additional subspecies); about 2419 individuals.—J. Barlow, T. H. Brady, Mr. and Mrs. W. R. Earnshaw, Mary Dille, Sue Gloriod, E. Johnson, R. K. Lisco, Mrs. C. C. Lusby, P. Netterstrom, Bart Rea, Mr. and Mrs. L. C. Rognstad, Dr. and Mrs. O. K. Scott (compilers), Hustace Scott, J. C. Warkley, Mr. and Mrs. J. W. Yant, Howard Yant (Wyoming Audubon Society).

493. **Cheyenne, Wyo.** (15-mile diameter circle, center in Cheyenne, including Horticultural Field Station, 2 city parks, Wyoming Hereford Ranch).—Dec. 29; 8 a.m. to 5 p.m. temp. 26° to 40°; wind 15-35 m.p.h.; all water frozen. Two observers in 1 party. Total party-hours, 16 (1 on foot, 15 by car); total party-miles, 55 (2 on foot, 53 by car). Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 2; Red-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 485 (2 races); Am. Magpie, 11; Piñon Jay, 1; Clark's Nutcracker, 1; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Am. Robin, 1; Townsend's Solitaire, 4; Gray Shrike, 1; Common Starling, 45; House Sparrow, 93; Cassin's Finch, 1; House Finch, 6; Pine Siskin, 37; Slate-colored Junco, 11; Oregon Junco, 42 (25 Pink-sided); McCown's Longspur, 129. **Total,** 23 species (2 additional subspecies); about 882 individuals.—Robert D. Hanesworth, Mrs. Robert D. Hanesworth (compiler).

494. **Black Forest, Colo.** (7½-mile radius centering 2 miles east of Table Rock, including Black Forest community, Rattlesnake Butte, Eastonville, Table Rock, Spruce Hill, headwaters of Kiowa and Cherry Creeks; elevation 6800 to 7700 feet; Ponderosa Pine forest 35%, grassland and ranchland 57%, deciduous creekbottoms 5%, habitations 3%).—Dec. 31; 7:30 a.m. to 5 p.m. Clear; temp. 5° to 25°; wind NW, 0-10 m.p.h.; all water frozen. Two observers in 2 parties. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles, 97 (8 on foot, 89 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 4; Red-shafted Flicker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 1; Horned Lark, 97; Steller's Jay, 13; Am. Magpie, 40; Black-capped Chickadee, 2; Mountain Chickadee, 70; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 8; Pygmy Nuthatch, 333; Brown Creeper, 9; Am. Robin, 1; Townsend's Solitaire, 2; Golden-crowned Kinglet, 3; Gray Shrike, 3; Common Starling, 19; Cassin's Finch, 9; Pine Siskin, 20; Red Crossbill, 18; White-winged Junco, 11; Slate-colored Junco, 12; Oregon Junco, 121; Gray-headed Junco, 3; junco (sp.), 112; Am. Tree Sparrow, 47. **Total,** 29 species; about 1015 individuals.—Richard G. Beidleman, Hugh E. Kingery (compiler).

495. **Boulder, Colo.** (same area as 1954 but more thorough coverage of mountain areas).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 28° to 45°; wind W, 5-40 m.p.h.; ground bare, reservoirs on plains open, ice on streams and ponds at higher elevations. Fifteen observers in 4 parties. Total party-hours, 35 (13 on foot, 22 by car); total party-miles, 253 (23 on foot,

230 by car). Mallard, 3580; Gadwall, 8; Am. Widgeon, 77; Pintail, 67; Green-winged Teal, 35; Redhead, 45; Canvas-back, 6; Lesser Scaup, 2; Am. Golden-eye, 136; Buffle-head, 2; Am. Merganser, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Golden Eagle, 6; Marsh Hawk, 6; Sparrow Hawk, 2; **Bobwhite,** 7; Ring-necked Pheasant, 31; Am. Coot, 58; Killdeer, 4; Wilson's Snipe, 5; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 7; Screech Owl, 1; Long-eared Owl, 7; Belted Kingfisher, 4; Red-shafted Flicker, 91; Lewis's Woodpecker, 1; Downy Woodpecker, 16; Horned Lark, 16; Steller's Jay, 25; Am. Magpie, 230; Common Raven, 2; Am. Crow, 14; Clark's Nutcracker, 14; Black-capped Chickadee, 29; Mountain Chickadee, 29; Red-breasted Nuthatch, 15; Pygmy Nuthatch, 18; Brown Creeper, 3; Am. Dipper, 4; **Winter Wren, 3**; Cañon Wren, 3; Am. Robin, **1074**; Townsend's Solitaire, **37**; Golden-crowned Kinglet, **16**; Ruby-crowned Kinglet, 3; **Bohemian Waxwing, 3**; Cedar Waxwing, 9; Gray Shrike, 3; Common Starling, 327; **Myrtle Warbler, 6**; **Audubon's Warbler, 6**; House Sparrow, 147; Western Meadowlark, 35; Red-winged Blackbird, 131; **Purple Grackle, 1**; Evening Grosbeak, 55; Cassin's Finch, 45; House Finch, 54; Brown-capped Rosy Finch, 7; Common Redpoll, 2; Pine Siskin, 15; Am. Goldfinch, 38; Red Crossbill, 3; Spotted Towhee, 6; White-winged Junco, 7; Slate-colored Junco, 9; Oregon Junco, 196 (2 races); Gray-headed Junco, 13; Am. Tree Sparrow, 147; White-crowned Sparrow, 2; Song Sparrow, 7. **Total,** 74 species (1 additional subspecies); about 7025 individuals. (Seen count period: Pigeon Hawk.)—Douglas G. Alexander, Gordon Alexander (compiler), Catherine Crone, Lawrence D. Crowley, Kathleen Davis, John Fitch, Eleanor S. Hough, John N. Hough, O. A. Knorr, Vera Matthews, Mike Stanley, Oakleigh Thorne II, Donald Van Horn, Pat Wheat, Olwen Williams.

496. Colorado Springs, Colo. (same area and coverage as previous years).—Dec. 29; 7:30 a.m. to 5 p.m. Clear; temp. 25° to 50°; wind SW, 0-20 m.p.h.; patches of old snow in shady areas, up to 1-ft. snow at 8000 ft. and above, running streams open, still water frozen, reservoirs solidly frozen except at inlets. Twenty-two observers in 10 parties. Total party-hours, 59 (45 on foot, 14 by car); total party-miles, 223 (40 on foot, 183 by car). Great Blue Heron, 2; **Canada Goose, 1**; Mallard, 229; Gadwall, 4; Am. Widgeon, 1; Green-winged Teal, 25; **Blue-winged Teal, 6**; **Redhead, 14**; **Canvas-back, 4**; Lesser Scaup, 2; **Buffle-head, 2**; **Old-squaw, 1** (carefully identified); Ruddy Duck, 1; **Am. Merganser, 5**; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 9; Swainson's Hawk, 1; Rough-legged Hawk, 2; Golden Eagle, 5; Bald Eagle, 1; Marsh Hawk, 3; **Peregrine Falcon, 1**; Sparrow Hawk, 2; hawk (sp.), 2; Scaled Quail, **34**; Ring-necked Pheasant, 1; Am. Coot, 4; Killdeer, 22; Wilson's Snipe, 24; Horned Owl, 3; owl (sp.), 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-shafted Flicker, 90; Lewis's Woodpecker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 9; Horned Lark, 22; Steller's Jay, 62; Scrub Jay, 76; Am. Magpie, 385; Common Raven, 2; Am. Crow, 74; Piñon Jay, 64; Clark's Nutcracker, 16; Black-capped Chickadee, 36; Mountain Chickadee, 102; Plain Titmouse, 3; Common Bushtit, 90; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 54; Pygmy Nuthatch, 36; Brown Creeper, 7; Am. Dipper, 1; Cañon Wren, 5; Am. Robin, **210**; Townsend's Solitaire, 29; Golden-crowned Kinglet, 37; **Ruby-crowned Kinglet, 2**; Cedar Waxwing, 34; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 160; **Audubon's Warbler, 1**; House Sparrow, 334; Western Meadowlark, 76; Red-winged Blackbird, 2; Brewer's Blackbird, 57; Evening Grosbeak, 11; Cassin's Finch, 41; House Finch, 217; Pine Siskin, 56; Am. Goldfinch, 16; Spotted Towhee, 23; Vesper Sparrow, 2; White-winged Junco, 5; Slate-colored Junco, 8; Oregon Junco, 488 (2 races); Gray-headed Junco, 212; junco (sp.), 78; Am. Tree Sparrow, 148; White-crowned Sparrow, 3; Song Sparrow, 36. **Total,** 81 species (1 additional subspecies); about 3859 individuals. [Exceptionally neat report with excellent details for all unusual finds—Ed.]—Mrs. T. L. Adams, Richard G. Beidleman, Mrs. G. L. Catlett, Stanley Davis, Mrs. Kenneth Ewing, Mrs. L. B. Field, Larry Field, Mary Alice Hamilton, Mrs. Dickson Leavens, Mrs. Mildred Mench, Mrs. Noble Miller, Paul Nesbit, Mrs. William Noble, Mrs. Frank Sample (compiler), Mahlon Speers, Robert M. Stabler, Mrs. B. E. Sutton, Mrs. M. M. Thurlow, James Turner, Mr. and Mrs. H. J. Weberbauer, Mrs. A. D. Williams.

497. Durango, Colo. (same area as in 1949 and subsequent years).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 11° to 45°; wind SW, less than 1 m.p.h.; snow on north slopes, patches of snow on fields, ponds and reservoirs frozen, rivers open. Five observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 85 (5 on foot, 80 by car). Great Blue Heron, 1; Mallard, 42; Blue-winged Teal, 1; Am. Golden-eye, 26; Hooded Merganser, 2; Am. Merganser, 7; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 9; **Wilson's Snipe, 4**; Belted Kingfisher, 5; Red-shafted Flicker, 12; Horned Lark, 15; Steller's Jay, 6; Scrub Jay, 4; Am. Magpie, 127; Common Raven, 1; Am. Crow, 10; Black-capped Chickadee, 13; Mountain Chickadee, 4; Am. Dipper, 12; Am. Robin, 16; Western Bluebird, 7; Townsend's Solitaire, 1; Common Starling, 122; House Sparrow, 73; Red-winged Blackbird, 395; Brewer's Blackbird, 1; Cassin's Finch, 30; Pine Siskin, 61; Am. Goldfinch, 104; Spotted Towhee, 3; Slate-colored Junco, 2; Oregon Junco, 81; Gray-headed Junco, 10; Song Sparrow, 2. **Total,** 39 species; about 1217 individuals. (Seen in area count period: Hairy Woodpecker, Evening Grosbeak.)—Nancy Frizell, Paul Frizell, Sandra Frizell, Thomas J. Frizell, Oppie Reames (compiler).

498. Fort Collins, Colo. (same area as 1948 and subsequent years).—Dec. 29; 7 a.m. to 4:45 p.m. Clear; temp. 40° to 50°; wind W, 20-30 m.p.h.; no snow on ground, deeper lakes open. Four observers in 3 parties. Total party-hours, 17 (1 on foot, 16 by

car); total party-miles, 173 (2 on foot, 171 by car). **Western Grebe, 1** (good light 20X scope); Mallard, 5022; Gadwall, 17; Am. Widgeon, 3; Pintail, 74; Green-winged Teal, **547**; Shoveller, 4; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 3; Ring-necked Pheasant, 6; Killdeer, 2; Wilson's Snipe, 2; Ring-billed Gull, 1; Horned Owl, 1; Red-shafted Flicker, 48; Lewis's Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 2; Blue Jay, 1; Steller's Jay, 3; **Scrub Jay, 1**; Am. Magpie, 57; Am. Crow, 3; Black-capped Chickadee, 26; Mountain Chickadee, 4; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 24; Brown Creeper, 1; Am. Dipper, 3; Cañon Wren, 1; Am. Robin, 1; Townsend's Solitaire, 2; Golden-crowned Kinglet, 1; Gray Shrike, 2; Common Starling, 303; House Sparrow, 151; Western Meadowlark, 17; Red-winged Blackbird, 40; Brewer's Blackbird, 5; House Finch, 54; **Common Redpoll, 35** (carefully identified); Am. Goldfinch, 7; Slate-colored Junco, 6; Oregon Junco, 40; Am. Tree Sparrow, 17; Song Sparrow, 5. **Total,** 51 species (1 additional subspecies); about 6568 individuals.—Paul H. Baldwin, John R. Douglass (compiler), Margaret M. Douglass, John R. Olive.

499. **Greeley, Colo.** (7½-mile radius from NW corner of city, includes back roads along Poudre River and South Platte River, Latham Reservoir, areas in Greeley; farmlands and roadsides 68%, lakes and ponds 10%, streambottom and seepage ditches 20%, city and parks 2%).—Dec. 21; 7:45 a.m. to 4:50 p.m. Partly cloudy; temp. 20° to 51°; wind W, 2 m.p.h.; some open water in larger lakes. Two observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 70 (1 on foot, 69 by car). Mallard, 8200; Pintail, 60; Green-winged Teal, 3; duck (sp.), 10,000; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 7; Prairie Falcon, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 5; Killdeer, 2; Belted Kingfisher, 2; Red-shafted Flicker, 20; Hairy Woodpecker, 2; Downy Woodpecker, 1; Horned Lark, 11; Blue Jay, 3; Am. Magpie, 71; Black-capped Chickadee, 8; Common Starling, 486; House Sparrow, 779; Western Meadowlark, 60; Red-winged Blackbird, 654; Brewer's Blackbird, 6; blackbird (sp.), 75; House Finch, 95; Am. Goldfinch, 4; Slate-colored Junco, 6; Oregon Junco, 25; Am. Tree Sparrow, 48; White-crowned Sparrow, 46 (2 races); Song Sparrow, 26. **Total,** 30 species (1 additional subspecies); about 20,720 individuals.—Clarence A. Sooter (compiler), Maynard N. Stamper.

500. **Gunnison, Colo.** (15-mile diameter circle; sagebrush 40%, fields 20%, floodplain forest 20%, aspen 10%, town 10%).—Dec. 21; 6:45 a.m. to 5:15 p.m. Clear a.m., partly cloudy p.m.; temp. −8° to 31°; wind N, 1-5 m.p.h.; 1-15-in. old snow. One observer. Total hours, 10½ (9 on foot, 1½ by car); total miles, 40 (10 on foot, 30 by car). Mallard, 31; Green-winged Teal, 4; Am. Golden-eye, 4; Golden Eagle, 2; Killdeer, 2; Wilson's Snipe, 1; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 5; Am. Magpie, 39; Common Raven, 3; Am. Crow, 7; Black-capped Chickadee, 5; Brown Creeper, 1; Common Starling, 20; House Sparrow, 30; Red-winged Blackbird, 1; House Finch, 25; Brown-capped Rosy Finch, 2; Oregon Junco, 1; Am. Tree Sparrow, 37; Song Sparrow, 1. **Total,** 23 species; about 226 individuals.—A. Sidney Hyde.

501. **Idaho Springs, Colo.** (same area and habitats as 1951 and subsequent years).—Dec. 28; 6:45 a.m. to 4:45 p.m. Snowing to cloudy, blizzard at timberline; temp. 25° to 40°; wind W, 10-30 m.p.h.; ground bare at lower elevations, drifts to 4 ft. above timberline, streams 30% open. Fourteen observers in 4 parties. Total party-hours, 33 (16 on foot, 17 by car); total party-miles, 176 (27 on foot, 149 by car). Red-tailed Hawk, 1; Golden Eagle, 4; **Belted Kingfisher, 1**; Red-shafted Flicker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 3; Gray Jay, 5; Steller's Jay, 45; Am. Magpie, 18; Common Raven, 10; Clark's Nutcracker, **16**; Black-capped Chickadee, 4; Mountain Chickadee, **175**; Red-breasted Nuthatch, 6; Pygmy Nuthatch, 20; Brown Creeper, 3; Am. Dipper, 2; Cañon Wren, 1; Am. Robin, 85; Townsend's Solitaire, 47; Bohemian Waxwing, 1; House Sparrow, 25; Cassin's Finch, 5; Gray-crowned Rosy Finch, 16; Black Rosy Finch, 1; Brown-capped Rosy Finch, 17; **Common Redpoll, 9** (carefully identified); Pine Siskin, 142; Red Crossbill, 93; Slate-colored Junco, 5; Oregon Junco, 125; Gray-headed Junco, 192. **Total,** 33 species; about 1084 individuals. —Mr. and Mrs. Joseph L. Borden, Phyllis Caswell, John Chapin (compiler), Ann Condit, Leonard Dieckman, Netta Henrichs, Ferd Kleinschnitz, Mr. and Mrs. Donald Malick, Thompson Marsh, Edwin D. McKee, Sadie Morrison, Donald Thatcher (Colorado Bird Club).

502. **Jefferson County, Colo.** (same area and habitats as last year).—Dec. 21; 5 a.m. to 5 p.m. Clear; temp. 30° to 60°; wind W, 0-15 m.p.h.; ground mostly bare, patches of snow in woods at higher elevations, streams and lakes 80% open. Twenty-one observers in 9 parties. Total party-hours, 88 (63 on foot, 25 by car); total party-miles, 372 (46 on foot, 326 by car). Great Blue Heron, 4; Whistling Swan, 9; Canada Goose, 278; Mallard, 245; Gadwall, 206; Am. Widgeon, 25; Pintail, 52; Green-winged Teal, 53; Shoveller, 5; Wood Duck, 3; Redhead, 199; Ring-necked Duck, 82; Canvasback, 5; Lesser Scaup, 11; Am. Golden-eye, 35; Buffle-head, 3; Am. Merganser, 500; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 12; Rough-legged Hawk, 3; Golden Eagle, 7; Marsh Hawk, 9; Prairie Falcon, 3; Sparrow Hawk, 10; Ring-necked Pheasant, 25; Am. Coot, 68; Killdeer, 16; Wilson's Snipe, 37; Herring Gull, 42; Ring-billed Gull, 68; Mourning Dove, 100; Horned Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 7; Red-shafted Flicker, 120; Hairy Woodpecker, 2; Downy Woodpecker, 17; **Vermilion Flycatcher, 1**; Horned Lark, 18; **Blue Jay, 1**; Steller's Jay, 22; Scrub Jay, 36; Am. Magpie, **430**; Common Raven, 10; Am. Crow, 96; Black-capped Chickadee, 94; Mountain Chickadee, **151**; White-breasted Nuthatch, 2; Red-breasted

Nuthatch, 12; Pygmy Nuthatch, **210**; Brown Creeper, 1; Am. Dipper, 2; Winter Wren, 1; Cañon Wren, 13; Am. Robin, 795; Townsend's Solitaire, **56**; Water Pipit, 1; Gray Shrike, 1; Common Starling, 560; **Myrtle Warbler, 1**; **Audubon's Warbler, 4**; House Sparrow, 285; Western Meadowlark, 220; **Yellow-headed Blackbird, 1**; Red-winged Blackbird, 1200; Brewer's Blackbird, 200; Evening Grosbeak, 15; Cassin's Finch, **205**; House Finch, 250; Pine Siskin, 492; Am. Goldfinch, 150; Red Crossbill, 55; Spotted Towhee, **30**; White-winged Junco, 1; Slate-colored Junco, 18; Oregon Junco, 800; Gray-headed Junco, 26; Am. Tree Sparrow, 412; Harris's Sparrow, 1; White-crowned Sparrow, 130; Fox Sparrow, 2; Song Sparrow, 80; **Chestnut-collared Longspur, 1. Total,** 84 species; about 9362 individuals. [Good details for all unusual birds—Ed.]—Phyllis Caswell, John Chapin (compiler), Ann Condit, Catherine Crone, Lawrence Crowley, Leonard Dieckman, John Flavin, Robert Glover, Grace Hardee, Netta Henrichs, Ferd Kleinschnitz, Leonard Licht, Donald Malick, Thompson Marsh, Donald McLean, Sadie Morrison, Michael Stanley, Ranson Stone, Donald Thatcher, Jean and Parnell White (Colorado Bird Club).

503. Longmont, Colo. (7½-mile radius centering NW of Longmont at intersection of Hygiene and Hover Roads; farmland and roadsides 66%, lakes and ponds 15%, creekbottoms and seepage ditches 15%, marsh 2%, city, cemetery and parks 2%).—Dec. 26; 6:30 a.m. to 5 p.m. Clear; temp. 19° to 56°; wind NW, 0-25 m.p.h.; ground bare, small ponds frozen, larger lakes partly frozen, drifting slush ice in Union Reservoir, streams open. Six observers in 4 parties (1 observing in yard). Total party-hours, 31 (6 on foot, 25 by car); total party-miles, 165 (13 on foot, 152 by car). Great Blue Heron, 2; **Canada Goose,** 7; Mallard, **51,991**; Green-winged Teal, 40; Shoveller, 4; Am. Golden-eye, 7; Am. Merganser, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 15; Sparrow Hawk, 5; Ring-necked Pheasant, 21; Killdeer, 18; Wilson's Snipe, 29; Herring Gull, 1; Ring-billed Gull, 3; Mourning Dove, 20; **Screech Owl, 2**; Horned Owl, 1; **Long-eared Owl, 9**; Short-eared Owl, 3; Belted Kingfisher, 4; Red-shafted Flicker, 79; Hairy Woodpecker, 1; Downy Woodpecker, 3; **Lewis's Woodpecker, 6**; Horned Lark, 52; Blue Jay, 6; Am. Magpie, 194; Am. Crow, **5100**; Black-capped Chickadee, 22; Long-billed Marsh Wren, 3; **Mockingbird,** 1 (in song—J.H.A.); Am. Robin, 39; Townsend's Solitaire, 3; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 650; House Sparrow, 308; Western Meadowlark, 210; Red-winged Blackbird, 3225; Brewer's Blackbird, 30; House Finch, 20; **Common Redpoll,** 3; Am. Goldfinch, 35; Slate-colored Junco, 3; Oregon Junco, 84 (40 Pink-sided); Am. Tree Sparrow, 460; White-crowned Sparrow, 27; Song Sparrow, 21. **Total,** 51 species (1 additional subspecies); about 62,769 individuals. (Seen in area count period: Golden Eagle, Steller's Jay, **Audubon's Warbler,** Evening Grosbeak.)—Jay H. Arnold, Mrs. Carl N. Collister (compiler), Harold Dunning, Nellie M. Simms, Mrs. Nina Stultz, Mrs. John Thielen.

504. Loveland, Colo. (same area as 1955 and 1956).—Dec. 31; 7:15 a.m. to 5 p.m. Clear; temp. 6° to 41°; wind variable, 0-5 m.p.h.; ground bare, larger bodies of water partly open. Two observers in 1 party. Total party-hours, 9¾ (all by car); total party-miles, 86 (86 by car). **Western Grebe,** 3 (carefully identified); Mallard, 11,322; Pintail, 8; Green-winged Teal, 100; Shoveller, 7; Am. Golden-eye, 118; Am. Merganser, 31; Red-tailed Hawk, 4; Rough-legged Hawk, 3; Golden Eagle, 2; Marsh Hawk, 1; **Peregrine Falcon, 1**; Sparrow Hawk, 3; Ring-necked Pheasant, 13; Am. Coot, 3; Killdeer, 1; Herring Gull, 19; Ring-billed Gull, 1; Red-shafted Flicker, 24; Downy Woodpecker, 4; Lewis's Woodpecker, 2; Horned Lark, 1; Blue Jay, 3; Steller's Jay, 11; Am. Magpie, 80; Am. Crow, 4; Black-capped Chickadee, 2; Mountain Chickadee, 3; Red-breasted Nuthatch, 3; Am. Dipper, 7; Cañon Wren, 1; Am. Robin, 13; Townsend's Solitaire, 2; Golden-crowned Kinglet, 5; Gray Shrike, 2; Common Starling, 124; House Sparrow, 143; Western Meadowlark, 5; Red-winged Blackbird, 67; House Finch, 6; **Common Redpoll, 4**; Am. Goldfinch, 5; Spotted Towhee, 1; Slate-colored Junco, 6; Oregon Junco, 96; Gray-headed Junco, 2; Am. Tree Sparrow, 58; White-crowned Sparrow, 5; **Lincoln's Sparrow,** 1 (carefully identified); Song Sparrow, 4. **Total,** 50 species; about 12,334 individuals.—John R. Douglass, Margaret M. Douglass (compiler).

505. Monte Vista National Wildlife Refuge, Colo.—Dec. 30; 7:30 a.m. to 5 p.m.; temp. 0° to 32°. Two observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 110 (2 on foot, 108 by car). Canada Goose, 70; Snow Goose, 1; Mallard, 30,000; Gadwall, 50; Pintail, 200; Green-winged Teal, 8; Lesser Scaup, 2; Cooper's Hawk, 2; Rough-legged Hawk, 4; Golden Eagle, 3; Bald Eagle, 7; Marsh Hawk, 29; Prairie Falcon, 3; Ring-necked Pheasant, 18; Killdeer, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Horned Lark, 7; Am. Magpie, 145; Common Raven, 2; Am. Crow, 182; Mountain Chickadee, 6; Brown-capped Chickadee, 8; Common Starling, 18; Red-winged Blackbird, 175; Brewer's Blackbird, 250; Vesper Sparrow, 2. **Total,** 27 species; about 31,196 individuals.—Charles R. Bryant (compiler), Wesley E. Parker, Robert W. Stegman.

506. Bosque del Apache National Wildlife Refuge, N. Mex. (refuge area between Rio Grande and bluff west of Highway 85, side trip to Willow Springs, riverside dike to San Antonio, back to refuge via San Antonita; impoundments and dikes 70%, irrigated farmland 12%, willow–tamarisk–cottonwood bosque 2%, mesquite–saltbush benches 1%, creosote-bush upland 15%).—Dec. 27; 8 a.m. to 4:30 p.m. Clear; temp. 23° to 52°; wind S, 15-20 m.p.h.; ground dry, small ponds, impoundments, ditches partially frozen in morning. One observer. Total hours, 8 (3 on foot, 5 by car); total miles, 66 (3 on foot, 63 by car). **Eared Grebe, 1**; Pied-billed

Grebe, 9; Double-crested Cormorant, 2; Great Blue Heron, 60; Am. Egret, 1; Black-crowned Night Heron, 3; **White-faced Ibis, 1**; Whistling Swan, 1; Canada Goose, 1315; Snow Goose, 450; Blue Goose, 3; Mallard, 520; Gadwall, 50; Am. Widgeon, 10; Pintail, 1280; Green-winged Teal, 146; **Cinnamon Teal, 1**; Shoveller, 66; Red-head, 2; Ring-necked Duck, 75; Buffle-head, 2; Ruddy Duck, 2; Am. Merganser, 725; Cooper's Hawk, 6; Red-tailed Hawk, 17; Rough-legged Hawk, 2; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 15; Sparrow Hawk, 10; Gambel's Quail, 24; Ring-necked Pheasant, 2; Sandhill Crane, 1219; Sora, 3; Am. Coot, 110; Killdeer, 5; Wilson's Snipe, 4; Greater Yellow-legs, 2; Ring-billed Gull, 5; Mourning Dove, 54; Road-runner, 1; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 13; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 3; Black Phoebe, 1; Say's Phoebe, 9; Vermilion Flycatcher, 1; Scrub Jay, 1; Am. Magpie, 1; Verdin, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 6; Rock Wren, 1; Crissal Thrasher, 3; Am. Robin, 30; Western Bluebird, 27; Mountain Bluebird, 8; Ruby-crowned Kinglet, 7; Water Pipit, 5; **Cedar Waxwing, 20**; Loggerhead Shrike, 8; Common Starling, 13; Audubon's Warbler, 4; House Sparrow, 78; Western Meadowlark, 26; Yellow-headed Blackbird, 5; Red-winged Blackbird, 5500; Boat-tailed Grackle, 32; House Finch, 7; Pine Siskin, 24; Am. Goldfinch, 118; Spotted Towhee, 6; Savannah Sparrow, 7; Black-throated Sparrow, 1; Sage Sparrow, 16; Oregon Junco, 18 (7 Pink-sided); Brewer's Sparrow, 196; White-crowned Sparrow, 154; Song Sparrow, 12. **Total,** 81 species (1 additional subspecies); about 12,574 individuals. (Seen in area count period: Hooded Merganser, Ferruginous Hawk, Ground Dove, Least Sandpiper, Common Raven, Hairy Woodpecker, Brewer's Blackbird, Green-tailed Towhee.)—Loyal A. Mehrhoff.

507. Carlsbad Caverns National Park, N. Mex. (5-mile radius centering at Park Headquarters, including Walnut Canyon, Oak and Rattlesnake Springs, Washington Ranch; upper Sonoran desert shrub 29%, lower Sonoran desert shrub 63%, irrigated farmland 8%).—Dec. 24; 7:15 a.m. to 4:15 p.m. High overcast; temp. 36° to 46°; wind SW, 1-5 m.p.h.; ground bare, small ponds open. Four observers in 1 party. Total party-hours, 32 (4 on foot, 28 by car); total party-miles, 57 (12 on foot, 45 by car). Mallard, 6; Gadwall, 2; Ring-necked Duck, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Harris's Hawk, 4; Golden Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Scaled Quail, 55; Ring-necked Pheasant, 1; Am. Coot, 30; Killdeer, 2; Wilson's Snipe, 6; Mourning Dove, 49; Belted Kingfisher, 2; Red-shafted Flicker, 5; Ladder-backed Woodpecker, 8; **Eastern Phoebe, 1** (carefully identified); Black Phoebe, 2; Scrub Jay, 4; Verdin, 1; Rock Wren, 12; Mockingbird, 2; **Brown Thrasher, 1** (carefully identified); Am. Robin, 70; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 4; Common Starling, 22; Audubon's Warbler, 5; House Sparrow, 3; Western Meadowlark, 3; Red-winged Blackbird, 9; Brewer's Blackbird, 350; Pyrrhuloxia, 4; House Finch, 20; Green-tailed Towhee, 2; Spotted Towhee, 6; Brown Towhee, 2; Black-throated Sparrow, 14; White-crowned Sparrow, 154; Lincoln's Sparrow, 2; Song Sparrow, 5. **Total,** 44 species; about 878 individuals.—Allen E. Anderson (compiler), Bruce K. Harris, Jr., Stokley Ligon, Paul Spangle.

508. Clayton, N. Mex. (15-mile diameter circle, center 6 miles northwest of Clayton; includes Perico and Rabbit Ear Creeks, Clayton Lake, Clayton, refuge; town 2%, farming 3%, open prairie 15%, cottonwood-lined creeks, cedar slopes 50%, lake and refuge 30%).—Dec. 26; 8 a.m. to 5:30 p.m. Clear; temp. 26° to 50°; wind SW, 35 m.p.h. Four observers in 4 parties. Total party-hours, 21 (17 on foot, 3 by car, 1 on horseback); total party-miles, 76 (13 on foot, 61 by car, 2 on horseback). Great Blue Heron, 1; Mallard, 202; Gadwall, 3; Green-winged Teal, 2; Lesser Scaup, 5; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 2; Prairie Falcon, 1; Sparrow Hawk, 3; Scaled Quail, 142; Mourning Dove, 7; Road-runner, 1; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-shafted Flicker, 13; Horned Lark, 20; Am. Magpie, 29; Cañon Wren, 1; Am. Robin, 22; Townsend's Solitaire, 4; Common Starling, 16; House Sparrow, 300; Western Meadowlark, 7; Red-winged Blackbird, 270; Pine Siskin, 6; Am. Goldfinch, 2; Savannah Sparrow, 2; Slate-colored Junco, 7; Oregon Junco, 50 (Pink-sided, 35); Am. Tree Sparrow, 11; Clay-colored Sparrow, 10; Harris's Sparrow, 1; White-crowned Sparrow, 18; Song Sparrow, 10; Chestnut-collared Longspur, 12. **Total,** 38 species (1 additional subspecies); about 1189 individuals. (Seen count period: Bob-white, Rock Wren, Cedar Waxwing, Loggerhead Shrike.)—W. W. Cook, Doitchin Doitchinoff, Adolf J. Krehbiel (compiler), Paul W. Snoeberger.

509. Espanola, N. Mex. (7½-mile radius centering on Rio Grande bridge at Espanola, including pueblos of San Juan, Santa Clara, San Ildefonso, villages of Chamita, Santa Cruz, Chimayo, Alcalde; river bottomland 75%, conifer mesas 10%, open prairies 15%).—Dec. 29; 8:15 a.m. to 4:45 p.m. Clear to thin overcast; temp. 24° to 58°; wind SW, 0-10 m.p.h.; snow in sheltered areas, river open, ponds frozen until late morning. Eleven observers in 4 parties. Total party-hours, 59 (30 on foot, 29 by car); total party-miles, 188 (19 on foot, 169 by car). Great Blue Heron, 1; Green Heron, 1; Canada Goose, 16; Mallard, 60; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 4; Am. Coot, 4; Killdeer, 9; Wilson's Snipe, 4; Belted Kingfisher, 8; Red-shafted Flicker, 105; Lewis's Woodpecker, 24; Hairy Woodpecker, 2; Ladder-backed Woodpecker, 1; Say's Phoebe, 1; Steller's Jay, 1; Scrub Jay, 27; Am. Magpie, 68; Common Raven, 93; Am. Crow, 16; Black-capped Chickadee, 5; Mountain Chickadee, 4; Plain Titmouse, 4; White-breasted Nuthatch, 1; Bewick's Wren, 4; Brown Thrasher, 1; Am. Robin, 713; Mountain Bluebird,

53; Townsend's Solitaire, 8; Ruby-crowned Kinglet, 9; Cedar Waxwing, 1; Loggerhead Shrike, 2; Common Starling, 26; Audubon's Warbler, 24; House Sparrow, 129; Western Meadowlark, 3; Red-winged Blackbird, 114; Brewer's Blackbird, 10; Evening Grosbeak, 117; House Finch, 81; Pine Siskin, 58; Lesser Goldfinch, 54; Spotted Towhee, 7; Brown Towhee, 2; Oregon Junco, 69; Gray-headed Junco, 13; Am. Tree Sparrow, 2; White-crowned Sparrow, 222; Song Sparrow, 44. **Total,** 53 species; about 2240 individuals.—W. Burton Lewis (compiler), Carl W. Bjorklund, Marilyn P. Bjorklund, Don. T. Cromer, Marjorie A. Cromer, Charles A. Fenstermacher, Marielle Fenstermacher, L. G. Hawkins, Avis Hawkins, Joseph D. Pickard, Patricia R. Snider.

510. Las Vegas, N. Mex. (7½-mile radius from Sixth and Douglas Streets).—Jan. 1; 7 a.m. to 5:15 p.m. Clear to partly cloudy; temp. 22° to 52°; wind W, 7-0 m.p.h. Four observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 94 (2 on foot, 92 by car). Mallard, 8; Pintail, 3; Shoveller, 1; Redhead, 6; Canvas-back, 1; Greater Scaup, 1; Am. Golden-eye, 2; Buffle-head, 1; Ruddy Duck, 2; Hooded Merganser, 1; Am. Merganser, 1; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 1; Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 2; Am. Coot, 2; Killdeer, 1; **Wilson's Snipe, 1**; Belted Kingfisher, 1; Red-shafted Flicker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 1; Horned Lark, 43; Steller's Jay, 17; Scrub Jay, 2; Am. Magpie, 34; Common Raven, 33; Am. Crow, 5; Mountain Chickadee, 6; White-breasted Nuthatch, 1; Pygmy Nuthatch, 7; Am. Robin, 1; Western Bluebird, 3; Mountain Bluebird, 139; Townsend's Solitaire, 10; **Ruby-crowned Kinglet, 2**; **Loggerhead Shrike, 2**; Common Starling, 10; House Sparrow, 18; House Finch, 16; Pine Siskin, 141; Spotted Towhee, 2; Baird's Sparrow, 2; Oregon Junco, 32 (1 Pink-sided); Gray-headed Junco, 143; White-crowned Sparrow, 2. **Total,** 48 species (1 additional subspecies); about 720 individuals.—John Gavahan, David Schooley, Elmer Schooley (compiler), John Schooley.

511 Roswell, N. Mex. (7½-mile radius from Hondo bridge, East College, including Roswell and Bitter Lakes Refuge; prairie 64%, irrigated farms 28%, city 4%, riverbottom 2%, lakes and ponds 2%).—Dec. 21; 6:30 a.m. to 5:30 p.m. Clear; temp. 22° to 54°; wind SW, average 2 m.p.h. Six observers in 3 parties. Total party-hours, 28 (3 on foot, 25 by car); total party-miles, 221 (10 on foot, 211 by car). Eared Grebe, 5; Pied-billed Grebe, 9; Double-crested Cormorant, 1; Great Blue Heron, 22; Am. Egret, 1; Black-crowned Night Heron, 2; Canada Goose, 156; Snow Goose, 13; Mallard, 16,300; Gadwall, 4; Am. Widgeon, 8181; Pintail, 3620; Green-winged Teal, 321; Shoveller, 129; Redhead, 79; Ring-necked Duck, 382; Canvas-back, 1374; Am. Golden-eye, 7; Buffle-head, 41; Ruddy Duck, 113; Hooded Merganser, 1; Am. Merganser, 8; Cooper's Hawk, 3; Red-tailed Hawk, 15; Rough-legged Hawk, 1; Marsh Hawk, 15; Prairie Falcon, 1; Sparrow Hawk, 15; Scaled Quail, 6; Ring-necked Pheasant, 1; Sandhill Crane, 20,000; Am. Coot, 1865; Killdeer, 5; Wilson's Snipe, 2; Greater Yellow-legs, 1; Ring-billed Gull, 15; Mourning Dove, 29; Road-runner, 3; Horned Owl, 1; Burrowing Owl, 5; Red-shafted Flicker, 21; Ladder-backed Woodpecker, 1; Say's Phoebe, 9; Horned Lark, 70; Red-breasted Nuthatch, 1; Bewick's Wren, 9; Mockingbird, 3; Am. Robin, 11; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 1; Water Pipit, 300; Loggerhead Shrike, 18; Common Starling, 9675; Audubon's Warbler, 10; House Sparrow, 11,500; Western Meadowlark, 267; Yellow-headed Blackbird, 5; Red-winged Blackbird, 100; Brewer's Blackbird, 710; Boat-tailed Grackle, 30; Brown-headed Cowbird, 3768; blackbird (sp.), 8000; House Finch, 61; Savannah Sparrow, 5; Leconte's Sparrow, 4; Am. Tree Sparrow, 2; White-crowned Sparrow, 93; Song Sparrow, 16. **Total,** 67 species; about 87,443 individuals.—Robert R. Boice, James J. Castagna, Robert A. Garrison, Joshua J. Harman, Vester Montgomery (compiler), James H. Sikes.

512. Santa Fe, N. Mex. (7½-mile radius circle centered at Santa Fe Railway freight depot, essentially same area as in past; urban and suburban 15%, grassland 34%, piñon and juniper 40%, pine and spruce 10%, water 1%).—Dec. 29; 5:30 a.m. to 6:15 p.m. Clear, few thin high clouds; temp. 24° to 45°; wind N, 0-5 m.p.h.; water ¾ ice-covered, snow in patches. Ten observers in 4 parties. Total party-hours, 40 (29 on foot, 11 by car); total party-miles, 222 (19 on foot, 203 by car). Am. Golden-eye, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 2; Gambel's Quail, 40; Killdeer, 6; Wilson's Snipe, 1; Mourning Dove, 20; Pygmy Owl, 1; Red-shafted Flicker, 20; Lewis's Woodpecker, 22; Hairy Woodpecker, 2; Downy Woodpecker, 4; Say's Phoebe, 1; Horned Lark, 25; Steller's Jay, 31; Scrub Jay, 129; Am Magpie, 8; Common Raven, 150; Piñon Jay, 76; Black-capped Chickadee, 4; Mountain Chickadee, 4; Plain Titmouse, 46; Common Bushtit, 88; Sage Thrasher, 3; Am. Robin, 400; Western Bluebird, 21; Mountain Bluebird, 142; Townsend's Solitaire, 79; Ruby-crowned Kinglet, 1; Cedar Waxwing, 3; Loggerhead Shrike, 9; Common Starling, 8; Audubon's Warbler, 7; **MacGillivray's Warbler, 1** (carefully studied at close range); House Sparrow, 287; Western Meadowlark, 28; Red-winged Blackbird, 143; Evening Grosbeak, 170; Cassin's Finch, 3; House Finch, 353; Pine Siskin, 169; Am. Goldfinch, 31; Spotted Towhee, 26; Brown Towhee, 29; Slate-colored Junco, 4; Oregon Junco, 571 (Pink-sided, 67); Gray-headed Junco, 160; White-crowned Sparrow, 44 (9 Gambel's); White-throated Sparrow, 2; Song Sparrow, 11. **Total,** 51 species (2 additional subspecies); about 3390 individuals. (Seen count period: Cooper's Hawk, Clark's Nutcracker, Golden-crowned Kinglet, Water Pipit.)—Octave Duvelliez, Florence Davis, Betsy Fuller, Florence Gilkyson, Tidey Hamilton, Mike Hamilton, Doris Miller, Julius Miller, Betty Wiard, Leon Wiard (compiler).

513. Silver City, N. Mex. (all points within 15-mile diameter circle, southwest to Tyrone, then

northwest on dirt road to U. S. 260, east along U. S. 260 to Silver City, northwest on trails to Bear Mt., northeast to Pinos Altos; piñon–juniper–oak savannas 60%, ponderosa pine forest 10%, cactus–yucca flats 20%, dry stream beds 10%; elevation 5500-7500 ft.). —Dec. 26; 6 a.m. to 5 p.m. Cloudy a.m., clear after 1 p.m.; temp. 35° to 55°; wind E, 10-20-0 m.p.h.; ground bare and dry, water only in cattle tanks. One observer. Total hours, 11 (3 on foot, 8 by car); total miles, 89 (4 on foot, 85 by car). Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 3; Gambel's Quail, 5; **Killdeer, 1**; Mourning Dove, 15; Red-shafted Flicker, 9; Acorn Woodpecker, 1; Yellow-bellied Sapsucker, 5; Williamson's Sapsucker, 7; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 1; **Say's Phoebe, 7**; Steller's Jay, 2; Scrub Jay, 29; Arizona Jay, 27; Common Raven, 71; **White-necked Raven, 2**; Mountain Chickadee, 5; Plain Titmouse, 7; Common Bushtit, 20; White-breasted Nuthatch, 3; Pygmy Nuthatch, 10; Bewick's Wren, 3; Cactus Wren, 2; Cañon Wren, 1; **Mockingbird, 1**; Curve-billed Thrasher, 6; Am. Robin, 77; **Hermit Thrush, 1**; Western Bluebird, 100; **Mountain Bluebird, 2**; Townsend's Solitaire, 10; Ruby-crowned Kinglet, 13; Cedar Waxwing, 6; **Phainopepla, 6**; Loggerhead Shrike, 5; **Solitary Vireo, 1**; Audubon's Warbler, 1; House Sparrow, 32; Western Meadowlark, 2; meadowlark (sp.), 38; Cassin's Finch, 79; House Finch, 171; Pine Siskin, 18; Lesser Goldfinch, 2; Green-tailed Towhee, 3; Spotted Towhee, 15; Brown Towhee, 14; Vesper Sparrow, 1; Black-throated Sparrow, 6; Oregon Junco, 106 (2 races); Gray-headed Junco, 61; Chipping Sparrow, 349; Brewer's Sparrow, 91; White-crowned Sparrow, 107; **Lincoln's Sparrow, 1** (within 6 ft., seen 2 days). **Total,** 56 species (1 additional subspecies); about 1569 individuals. [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.] (Seen in area count period: Sharp-shinned Hawk, Cooper's Hawk, Road-runner, Horned Owl.) —Dale A. Zimmerman.

514. **Nampa, Idaho** (7½-mile radius centering on Deer Flat Wildlife Refuge, including Snake River at Marsing and Kurtz Park; pasture 25%, plowland 50%, town shrubs and trees 5%, deciduous fencerows 10%, cattail marsh 5%, deciduous growth 5%).—Dec. 28; 8 a.m. to 5 p.m. Cloudy, rain showers; temp. 42° to 45°; wind SW to NE, 8-12 m.p.h.; trace of snow. Three observers in 1 party. Total party-hours, 24 (2 on foot, 22 by car); total party-miles, 50 (2 on foot, 48 by car). Common Loon, 2; Horned Grebe, 7; Pied-billed Grebe, 7; Great Blue Heron, 4; Canada Goose, 2663; Mallard, 150,265; Am. Widgeon, 523; Pintail, 6; Green-winged Teal, 1; Shoveller, 95; Redhead, 2; Lesser Scaup, 1; Am. Golden-eye, 53; Am. Merganser, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 8; Prairie Falcon, 3; Sparrow Hawk, 3; Bob-white, 4; Ring-necked Pheasant, 693; Am. Coot, 513; Killdeer, 6; Wilson's Snipe, 2; Ring-billed Gull, 22; Red-shafted Flicker, 26; Downy Woodpecker, 1; Am. Magpie, 86; Am. Crow, 1133; Brown Creeper, 4; Am. Robin, 126; Gray Shrike, 1; Common Starling, 2131; House Sparrow, 10,500; Western Meadowlark, 102; Red-winged Blackbird, 1; Brewer's Blackbird, 64; Evening Grosbeak, 7; House Finch, 30; Common Redpoll, 1; Am. Goldfinch, 1; Sage Sparrow, 1; Oregon Junco, 152; White-crowned Sparrow, 168; Song Sparrow, 20. **Total,** 45 species; about 169,455 individuals. (Seen count period: Hairy Woodpecker, Horned Lark, Mountain Chickadee, Pine Siskin.)—Elsie Allan, Mrs. C. C. Hill, Mrs. H. E. Shaw (compiler).

515. **Bear River Migratory Bird Refuge, Utah** (from Refuge Headquarters west along canal road, south and east over dikes to Perry, north following highway along foothills to Brigham, west through fields and over flats touching points along Bear River; marsh and ponds 50%, fields and farmlands 25%, open pasture and river banks 25%).—Dec. 26; 8:30 a.m. to 4:30 p.m. Cloudy, snow after 1 p.m.; temp. 39° to 30°; wind NW, 10-30 m.p.h.; blanket of snow, nearly all ponds and marsh areas frozen, river partly frozen. Four observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 41 (1 on foot, 40 by car). Eared Grebe, 1; Pied-billed Grebe, 4; Great Blue Heron, 58; Black-crowned Night Heron, 86; Am. Bittern, 1; Whistling Swan, 1183; Canada Goose, 166; Mallard, 25,576; Gadwall, 16; Am. Widgeon, 114; Pintail, 27,228; Green-winged Teal, 12,727; Shoveller, 117; Redhead, 1; Canvas-back, 11; Lesser Scaup, 1; Am. Golden-eye, 25; Old-squaw, 2; Ruddy Duck, 12; Am. Merganser, 174; Red-breasted Merganser, 167; Rough-legged Hawk, 10; Golden Eagle, 7; Bald Eagle, 3; Marsh Hawk, 17; Peregrine Falcon, 2; Ring-necked Pheasant, 236; Am. Coot, 24; Killdeer, 14; Wilson's Snipe, 2; Herring Gull, 14; Ring-billed Gull, 271; Short-eared Owl, 1; Red-shafted Flicker, 6; Horned Lark, 17; Am. Magpie, 25; Common Raven, 41; Am. Crow, 200; Black-capped Chickadee, 5; Water Pipit, 5; Cedar Waxwing, 5; Common Starling, 679; House Sparrow, 583; Western Meadowlark, 18; Red-winged Blackbird, 81; Brewer's Blackbird, 91; Brown-headed Cowbird, 4; Cassin's Finch, 142; Am. Goldfinch, 65; Spotted Towhee, 1; Oregon Junco, 78; Brewer's Sparrow, 9; White-crowned Sparrow, 1; Song Sparrow, 6. **Total,** 54 species; about 70,333 individuals.—Don E. Redfearn, Robert H. Shields, Vanez T. Wilson (compiler), Leo T. Young.

516. **Roosevelt, Utah** (same area as 1950 and subsequent years).—Dec. 31, 9 a.m. to 5:30 p.m. Clear; temp. 29° to −2°. One observer. Total hours, 8½ (1½ on foot, 7 by car); total miles, 94 (2 on foot, 92 by car). Great Blue Heron, 1; Mallard, 110; Am. Merganser, 3; Goshawk, 1; Red-tailed Hawk, 7; Golden Eagle, 7; Marsh Hawk, 2; Prairie Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 11; Killdeer, 3; Wilson's Snipe, 4; Horned Owl, 2; Red-shafted Flicker, 6; Downy Woodpecker, 1; Horned Lark, 115; Am. Magpie, 270; Am. Crow, 38; Long-billed Marsh Wren, 12; Am. Robin, 2; Gray Shrike, 4; Common Starling, 2564; House Sparrow, 552; Western Meadowlark, 15; Red-winged Blackbird, 1525; Brewer's Blackbird, 60; Pine Siskin, 47; Am. Goldfinch, 191; Oregon Junco, 1; Am.

Tree Sparrow, 6; Harris's Sparrow, 15; White-crowned Sparrow, 8; Song Sparrow, 6. **Total,** 33 species; about 5591 individuals.—Merlin L. Killpack.

517. Imperial National Wildlife Refuge, Ariz–Calif. (inside refuge only, from Imperial Dam vicinity to and including Martinez Lake area; brushy willow–cottonwood woodland 14%, open water with cattail–cane edges 54%, mesquite–arrowweed–tamarisk brush bordering water 20%, desert brush 4%, farm area 8%).—Dec. 30; 6:50 a.m. to 6 p.m. Clear; temp. 45° to 70°; wind NW, 0-8 m.p.h.; water levels unusually high. Three observers in 1 party. Total party-hours, 11 (6½ on foot, 1 by car, 3½ by boat); total party-miles, 35 (5 on foot, 15 by car, 15 by boat). Eared Grebe, 7; Western Grebe, 6; Pied-billed Grebe, 10; Double-crested Cormorant, 190; Great Blue Heron, 16; Am. Egret, 24; Snowy Egret, 20; Green Heron, 3; Black-crowned Night Heron, 3; Am. Bittern, 3; Whistling Swan, 6; Canada Goose, 108; Mallard, 17; Gadwall, 3; Am. Widgeon, 71; Pintail, 23; Green-winged Teal, 175; Shoveller, 120; Ring-necked Duck, 6; Canvas-back, 44; Lesser Scaup, 45; Am. Golden-eye, 1; Buffle-head, 31; Ruddy Duck, 5; Am. Merganser, 2; Red-tailed Hawk, 4; Bald Eagle, 1; Marsh Hawk, 3; Gambel's Quail, 12; Sora, 2; Florida Gallinule, 4; Am. Coot, 5043; Killdeer, 5; Wilson's Snipe, 14; Spotted Sandpiper, 6; **Pectoral Sandpiper, 1** (all field marks carefully noted); Least Sandpiper, 43; Long-billed Dowitcher, 23; Mourning Dove, 52; Road-runner, 1; Belted Kingfisher, 2; Red-shafted Flicker, 12; Gilded Flicker, 1; Gila Woodpecker, 11; Ladder-backed Woodpecker, 4; Black Phoebe, 12; Say's Phoebe, 1; Vermilion Flycatcher, 5; Tree Swallow, 601; Verdin, 9; House Wren, 8; Long-billed Marsh Wren, 7; Rock Wren, 2; Mockingbird, 3; Crissal Thrasher, 2; Am. Robin, 17; Hermit Thrush, 2; Black-tailed Gnatcatcher, 8; Ruby-crowned Kinglet, 25; Water Pipit, 7; Cedar Waxwing, 11; Phainopepla, 6; Loggerhead Shrike, 5; Orange-crowned Warbler, 4; Audubon's Warbler, 59; Common Yellowthroat, 4; House Sparrow, 15; Western Meadowlark, 12; Red-winged Blackbird, 5; House Finch, 14; Abert's Towhee, 17; Savannah Sparrow, 1; Sage Sparrow, 8; White-crowned Sparrow, 11; Lincoln's Sparrow, 1; Song Sparrow, 10. **Total,** 76 species; about 7075 individuals. [Both reports by Monson exceptionally neat with details for all unusual observations—Ed.]—James T. Bialac, R. Roy Johnson, Gale Monson (compiler).

518. Phoenix, Ariz. (7½-mile radius from ¼ mile south and ¼ mile east of 91 Ave. and Indian School Road, including portions of Grand Canal and dry riverbeds of Salt, New and Aqua Fria Rivers; urban 25%, cottonfields and croplands 24%, grain and pasture 12%, citrus 12%, open water and marshes 2%, dry riverbed and creosote-bush desert 25%).—Dec. 29; 6 a.m. to 5:45 p.m. Clear; temp. 36° to 67°; wind NE, 1-3 m.p.h. Twenty-two observers in 8 parties. Total party-hours, 190 (122 on foot, 68 by car); total party-miles, 622 (98 on foot, 524 by car). Great Blue Heron, 1; Green Heron, 3; Mallard, 7; Am. Widgeon, 1; Pintail, 25; Green-winged Teal, 15; Shoveller, 17; Lesser Scaup, 5; Ruddy Duck, 2; Turkey Vulture, 15; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5; Swainson's Hawk, 3; Marsh Hawk, 32; Sparrow Hawk, 56; Gambel's Quail, 74; Ring-necked Pheasant, 3; Am. Coot, 21; Killdeer, 94; Wilson's Snipe, 10; Greater Yellow-legs, 11; Least Sandpiper, 346; Long-billed Dowitcher, 5; Mourning Dove, 2861; Ground Dove, 8; Inca Dove, 161; Road-runner, 19; Burrowing Owl, 16; Anna's Hummingbird, 1; Belted Kingfisher, 1; Red-shafted Flicker, 87; Gilded Flicker, 2; Gila Woodpecker, 83; Lewis's Woodpecker, 4; Ladder-backed Woodpecker, 6; Black Phoebe, 18; Say's Phoebe, 15; **Western Wood Pewee, 1**; Vermilion Flycatcher, 19; Verdin, 107; House Wren, 5; Bewick's Wren, 7; Cactus Wren, 44; Long-billed Marsh Wren, 15; Mockingbird, 41; Bendire's Thrasher, 26; Curve-billed Thrasher, 28; Am. Robin, 121; Black-tailed Gnatcatcher, 4; Ruby-crowned Kinglet, 93; Water Pipit, 218; Phainopepla, 1; Loggerhead Shrike, 41; Common Starling, 228; Orange-crowned Warbler, 10; Lucy's Warbler, 1 [no details, not underlined as unusual—Ed.]; Audubon's Warbler, 694; Black-throated Gray Warbler, 5; Common Yellowthroat, 3; House Sparrow, 14,264; Western Meadowlark, 115; Yellow-headed Blackbird, 30,324; Red-winged Blackbird, 272,269; Brewer's Blackbird, 14,409; Boat-tailed Grackle, 33; Brown-headed Cowbird, 1415; Cardinal, 26; House Finch, 864; Am. Goldfinch, 15; Lesser Goldfinch, 7; Green-tailed Towhee, 16; Spotted Towhee, 3; Abert's Towhee, 50; Lark Bunting, 176; Savannah Sparrow, 15; Vesper Sparrow, 14; Lark Sparrow, 52; Black-throated Sparrow, 1; Sage Sparrow, 28; Oregon Junco, 19; Chipping Sparrow, 10; Brewer's Sparrow, 242; White-crowned Sparrow, 6141; Lincoln's Sparrow, 2; Song Sparrow, 38. **Total,** 85 species; about 346,295 individuals.—Mrs. L. M. Bonnewell, Mrs. D. M. Demaree, Mr. and Mrs. Liscum Diven, Dr. and Mrs. Hugh Hanson, Mr. and Mrs. B. B. Hawkins, Mrs. John J. Hay, Jane Horswell, Frank Howe, M. J. Hunt, R. Roy Johnson, Mr. and Mrs. John L. Leonard, Abe S. Margolin (compiler), David R. Margolin, Mrs. Una Miller, Gordon Nicholson, W. H. Patey, Mrs. Scott Spaw, Mrs. John L. Vogel (Maricopa Audubon Society).

519. Prescott, Ariz. (7-mile radius centering on Gurley and Montezuma Streets, including Groom Creek, Indian Creek, Thumb Butte, Hassayampa Country Club, Willow Creek, Willow Lake, Granite Creek, Granite Lake; Ponderosa Pine 35%, chaparral 20%, juniper–piñon 15%, open grassland 5%, woodland 10%, lakeshore 5%, suburbs 10%).—Dec. 22; 8 a.m. to 5 p.m. Clear to partly cloudy; temp. 26° to 54°; no wind; ground clear, water open. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 56 (4 on foot, 52 by car). Canvas-back, 3; Marsh Hawk, 1; Sparrow Hawk, 2; Am. Coot, 6; Killdeer, 10; Red-shafted Flicker, 8; Acorn Woodpecker, 14; Lewis's Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Ladder-backed Woodpecker, 1; Black Phoebe, 1; Horned Lark, 1; Steller's Jay, 23; Scrub

Jay, 33; Common Raven, 10; Piñon Jay, 75+; Plain Titmouse, 2; Common Bushtit, 15; White-breasted Nuthatch, 5; **Red-breasted Nuthatch, 2**; Pygmy Nuthatch, 8; Bewick's Wren, 1; Long-billed Marsh Wren, 1; Am. Robin, 46; Western Bluebird, 39; Ruby-crowned Kinglet, 4; Water Pipit, 1; Cedar Waxwing, 3; Phainopepla, 8; Audubon's Warbler, 2; House Sparrow, 150; Red-winged Blackbird, 128; Brewer's Blackbird, 65; Evening Grosbeak, **169**; House Finch, 131; Pine Siskin, 62; **Red Crossbill, 117**; Spotted Towhee, 3; Brown Towhee, 4; Slate-colored Junco, 1; Oregon Junco, 131; Gray-headed Junco, 57; White-crowned Sparrow, 61; Song Sparrow, 1. **Total,** 45 species; about 1412 individuals. (Seen count period: Mourning Dove, Bridled Titmouse, Loggerhead Shrike, Rock Wren).—Heidi McLernon (compiler), Una Miller.

520. Santa Catalina Mts., Ariz. (about same as previous years with 7½-mile radius from center of Sec. 1, R15E, T13S, Tucson District, Pima County; foothill canyons 20%, pine and fir forest 16%, cottonwood–mesquite 4%, ranches and ponds 9%, open desert 20%, cultivated farmland 3%, dairies 3%, streamside thickets 25%).—Dec. 21; 6:30 a.m. to 5:30 p.m. Clear a.m., scattered high clouds p.m.; temp. 28° to 72°; wind S, 0-10 m.p.h.; snow patches in shade above 8000 ft., running water in all streams on mountain vs. complete dryness last year. Nine observers in 4 parties. Total party-hours, 38 (26 on foot, 12 by car); total party-miles, 212 (29 on foot, 183 by car). **Eared Grebe, 1**; Pied-billed Grebe, 3; Great Blue Heron, 2; **Am. Bittern, 1** (present since Dec. 16); Mallard, 47; Am. Widgeon, 1; **Pintail, 4**; Green-winged Teal, 5; Shoveller, 21; Ring-necked Duck, 8; Canvas-back, 2; Lesser Scaup, 17; Ruddy Duck, 2; **Am. Merganser, 1** (present since Dec. 16); Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 7; **Swainson's Hawk, 1** (all field marks); Golden Eagle, 1; Sparrow Hawk, 6; Gambel's Quail, 41; Turkey, 1; Sora, 1; Am. Coot, 94; Killdeer, 14; Wilson's Snipe, 3; Mourning Dove, 70; Inca Dove, 15; Road-runner, 5; Belted Kingfisher, 2; Red-shafted Flicker, 32; Gilded Flicker, 11; Gila Woodpecker, 54; Acorn Woodpecker, 6; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 10; Arizona Woodpecker, 2; Black Phoebe, 11; Say's Phoebe, 16; Vermilion Flycatcher, 2; Beardless Flycatcher, 1; Steller's Jay, 1; Scrub Jay, 2; Arizona Jay, 37; Common Raven, 4; Mountain Chickadee, 3; Bridled Titmouse, 7; Verdin, 22; Common Bushtit, 4; White-breasted Nuthatch, 9; Pygmy Nuthatch, 54; Brown Creeper, 4; House Wren, 4; Bewick's Wren, 2; Cactus Wren, 17; Long-billed Marsh Wren, 2; Cañon Wren, 5; Rock Wren, 7; Mockingbird, 1; Bendire's Thrasher, 2; Curve-billed Thrasher, 37; Am. Robin, 197; Hermit Thrush, 2; Western Bluebird, 8; Mountain Bluebird, 12; Blue-gray Gnatcatcher, 5; Black-tailed Gnatcatcher, 5; Ruby-crowned Kinglet, 49; Water Pipit, 2; Cedar Waxwing, 12; Phainopepla, 16; Loggerhead Shrike, 7; **Common Starling, 5**; Hutton's Vireo, 1; Solitary Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 45; Black-throated Gray Warbler, 2; House Sparrow, 147; Western Meadowlark, 28; Red-winged Blackbird, 753; Brewer's Blackbird, 559; Brown-headed Cowbird, 50; **Bronzed Cowbird, 2**; Cardinal, 15; Pyrrhuloxia, 15; **Cassin's Finch, 2**; House Finch, 107; Pine Siskin, 30; Lesser Goldfinch, 29; Green-tailed Towhee, 7; Spotted Towhee, 11; Brown Towhee, 29; Abert's Towhee, 3; Lark Sparrow, 3; Rufous-crowned Sparrow, 9; Black-throated Sparrow, 7; Oregon Junco, 3 (2 races); Gray-headed Junco, 36; Arizona Junco, 2; Chipping Sparrow, 14; Brewer's Sparrow, 58; White-crowned Sparrow, 205; Fox Sparrow, 2; Lincoln's Sparrow, 8; Song Sparrow, 7. **Total,** 107 species (1 additional subspecies); about 3266 individuals. [Excellent details for all unusual observations—Ed.]—Jack Darnell, Alma J. and William X. Foerster, Effie Henretty, Randolph Jenks, Richard V. Rockel, Louis A. Stimson (compiler), Ivan D. Sutton, Florence Thornburg (Tucson Audubon Society).

521. Sierra Pinta, Cabeza Prieta Game Range, Ariz. (Yuma County, west side of Sierra Pinta from game range boundary south to 3 miles beyond Heart Tank, and adjacent Tule Desert; washes at foot of mountains with Ironwood, Palo Verde, Catclaw, Jumping Bean, Elephant Tree, Chuparosa, etc. 85%, open Creosotebush desert 15%).—Dec. 27; 6:15 a.m. to 4 p.m. Clear; temp. 45° to 75°; wind WNW, 0-10 m.p.h.; vegetation in good condition owing to fall rains, Heart Tank nearly full. One observer. Total hours, 9¾ (7¾ on foot, 2 by car); total miles, 27 (6 on foot, 21 by car). Sparrow Hawk, 2; Gambel's Quail, 11; Horned Owl, 1; Costa's Hummingbird, 9; Red-shafted Flicker, 2; Gilded Flicker, 1; Gila Woodpecker, 1; Ladder-backed Woodpecker, 2; Ash-throated Flycatcher, 4; Say's Phoebe, 1; Verdin, 4; Cactus Wren, 2; Rock Wren, 12; Mockingbird, 2; Curve-billed Thrasher, 1; Sage Thrasher, 11; Am. Robin, 10; Mountain Bluebird, 8; **Townsend's Solitaire, 2**; Black-tailed Gnatcatcher, 7; **Golden-crowned Kinglet, 1** (collected); Ruby-crowned Kinglet, 7; Phainopepla, 15; Gray Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 22; **Hooded Oriole, 1** (carefully identified); House Finch, 5; Black-throated Sparrow, 21; Sage Sparrow, 1; Oregon Junco, 1; Chipping Sparrow, 1; Brewer's Sparrow, 21; White-crowned Sparrow, 7. **Total,** 34 species; 198 individuals.—Gale Monson.

522. Tucson, Ariz. (about same as previous years; 7½-mile radius from 1/5 mile north of corner of Secs. 14, 15, 22, 23, R13E, T14S Tucson District, Pima County; cottonwood–mesquite 35%, ponds 9%, open desert 11%, cultivated lands 19%, citrus groves 2%, city residential 12%, dairies 3%, streamside thickets 9%).—Dec. 28; 6:30 a.m. to 6 p.m. Clear a.m., increasing cloudiness p.m.; temp. 30° to 68°; wind variable, 0-5 m.p.h. Seven observers in 3 parties. Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 136 (20 on foot, 116 by car). Great Blue Heron, 1; Green Heron, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 5; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow

Hawk, 15; Gambel's Quail, 34; Am. Coot, 2; Killdeer, 39; Wilson's Snipe, 9; Least Sandpiper, 28; Mourning Dove, 315; White-winged Dove, 2; Ground Dove, 8; Inca Dove, 47; Road-runner, 4; Red-shafted Flicker, 53; Gilded Flicker, 7; Gila Woodpecker, 27; Lewis's Woodpecker, 2; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 10; Black Phoebe, 5; Say's Phoebe, 10; Vermilion Flycatcher, 8; Beardless Flycatcher, 2; Common Raven, 4; Bridled Titmouse, 2; Verdin, 21; White-breasted Nuthatch, 1; House Wren, 12; Bewick's Wren, 4; Cactus Wren, 8; Long-billed Marsh Wren, 3; Rock Wren, 1; Mockingbird, 6; Bendire's Thrasher, 4; Curve-billed Thrasher, 11; Crissal Thrasher, 10; Am. Robin, 18; Hermit Thrush, 1; **Eastern Bluebird, 1** (carefully identified—J.T.M. party); Mountain Bluebird, 29; Blue-gray Gnatcatcher, 6; **Golden-crowned Kinglet, 1**; Ruby-crowned Kinglet, 47; Water Pipit, 4; **Cedar Waxwing, 28** (L.A.S.); Phainopepla, 3; Loggerhead Shrike, 20; Common Starling, **66**; Hutton's Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 53; House Sparrow, 251; Western Meadowlark, 131; Yellow-headed Blackbird, 100; Red-winged Blackbird, 2095; Brewer's Blackbird, 2415; Boat-tailed Grackle, 9; Brown-headed Cowbird, 3640; Cardinal, 24; Pyrrhuloxia, 54; **Lazuli Bunting, 18** (2 parties); House Finch, 651; Am. Goldfinch, 8; Lesser Goldfinch, 12; Green-tailed Towhee, 26; Spotted Towhee, 1; Brown Towhee, 4; Abert's Towhee, 22; Lark Bunting, 235; Savannah Sparrow, 10; Vesper Sparrow, 23; Lark Sparrow, 110; Rufous-winged Sparrow, 2; Oregon Junco, 6; Chipping Sparrow, 58; Brewer's Sparrow, 36; White-crowned Sparrow, 262 (2 races); Lincoln's Sparrow, 16; Song Sparrow, 6. **Total,** 84 species (1 additional subspecies); about 11,235 individuals. [Excellent details for all unusual observations—Ed.]—Fred C. Bair, Alma J. Foerster, William X. Foerster, Ina Foss, Joe T. Marshall, Louis A. Stimson (compiler), Florence Thornburg (Tucson Audubon Society).

523. Reno, Nev. (7½-mile radius centered at Holcomb Lane and S. Virginia St.; elevation 4400 to 6000 ft.).—Dec. 29; 7 a.m. to 4 p.m. Scattered clouds, calm; temp. 18° to 54°. Three observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 71 (3 on foot, 68 by car). Eared Grebe, 3; Pied-billed Grebe, 3; Great Blue Heron, 6; Canada Goose, 314; Mallard, 1217; Gadwall, 48; Am. Widgeon, 362; Pintail, 78; Green-winged Teal, 406; Shoveller, 6; Redhead, 65; Ring-necked Duck, 23; Canvas-back, 19; Lesser Scaup, 18; Ruddy Duck, 27; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 7; California Quail, 95; Ring-necked Pheasant, 26; Am. Coot, 104; Killdeer, 20; Wilson's Snipe, 3; Ring-billed Gull, 31; Mourning Dove, 3; Belted Kingfisher, 2; Red-shafted Flicker, 11; Lewis's Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Williamson's Sapsucker, 2; Steller's Jay, 2; Am. Magpie, 20; Brown Creeper, 3; Am. Dipper, 2; Bewick's Wren, 3; Am. Robin, 8; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 4; Water Pipit, 3; Loggerhead Shrike, 1; Common Starling, 500+; Audubon's Warbler, 7; House Sparrow, 75+; Western Meadowlark, 16; Brewer's Blackbird, 24; Brown-headed Cowbird, 9; Evening Grosbeak, **58**; Purple Finch, 18; Am. Goldfinch, 20; Spotted Towhee, 1; Oregon Junco, 21; White-crowned Sparrow, 32; Song Sparrow, 1. **Total,** 56 species; about 3746 individuals. (Seen count period: Black-crowned Night Heron, Cinnamon Teal.)—Noel Brann, R. W. Brann (compiler), Sally H. Brann.

524. Ruby Lake National Wildlife Refuge, Nev.—Dec. 28; 7:30 a.m. to 4 p.m.; temp. 35° to 45°. One observer. Total hours, 8½ (4½ on foot, 4 by car); total miles, 15 (2 on foot, 13 by car). Great Blue Heron, 8; Canada Goose, 37; Mallard, 513; Am. Widgeon, 78; Pintail, 96; Green-winged Teal, 2; Redhead, 27; Canvas-back, 21; Am. Golden-eye, 387; Buffle-head, 54; Hooded Merganser, 19; Sharp-shinned Hawk, 1; Rough-legged Hawk, 4; Golden Eagle, 1; Bald Eagle, 1; Sage Hen, 7; Am. Coot, 5; Horned Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 1; Blue Jay, 1; Am. Magpie, 19; Common Raven, 13; Am. Robin, 1; Mountain Bluebird, 1; House Sparrow, 3; Western Meadowlark, 1; Brewer's Blackbird, 19; Slate-colored Junco, 9; Snow Bunting, 1. **Total,** 30 species; about 1333 individuals.—Lloyd R. Ramelli.

525. Harper, Wash. (7½-mile radius centering on Fragaria Road 1 mile west of Banner Road, including Harper, Port Orchard, Vashon Island).—Dec. 22; 8 a.m. to 5 p.m. Cloudy; temp. 40° to 48°; ground bare, water open. Seven observers in 3 parties. Total party-hours, 22 (14 on foot, 8 by car and ferry); total party-miles, 51 (14 on foot, 28 by car, 9 by ferry). Common Loon, 7; Red-throated Loon, 1; Red-necked Grebe, 4; Horned Grebe, 21; Western Grebe, 362; Pied-billed Grebe, 1; Double-crested Cormorant, 5; Pelagic Cormorant, 1; Am. Widgeon, 847; Greater Scaup, 25; Am. Golden-eye, 333; Buffle-head, 23; White-winged Scoter, 100; Surf Scoter, 53; Red-breasted Merganser, 11; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Pigeon Hawk, 1; Ring-necked Pheasant, 6; Am. Coot, 53; Killdeer, 1; Surf-bird, 4; Black Turnstone, 54; Sanderling, 70; Glaucous-winged Gull, 145; Herring Gull, 3; Short-billed Gull, 30; Common Murre, 22; Pigeon Guillemot, 2; Belted Kingfisher, 9; Red-shafted Flicker, 9; Downy Woodpecker, 1; Steller's Jay, 6; Northwestern Crow, 2; Black-capped Chickadee, 14; Chestnut-backed Chickadee, 6; Red-breasted Nuthatch, 1; Winter Wren, 13; Bewick's Wren, 1; Am. Robin, 258; Varied Thrush, 27; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 15; House Sparrow, 24; Purple Finch, 6; Pine Siskin, 724; Spotted Towhee, 14; Oregon Junco, 50; Fox Sparrow, 2; Song Sparrow, 40. **Total,** 50 species; about 3431 individuals.—Violet E. Cannon (compiler), Albert Forsman, Lillian Forsman, Florence Grove, James Grove, Doris Jelliffe, Lincoln Johannsson.

526. Olympia, Wash. (same area as last year; salt water 20%, fresh water, 20%, open fields 10%, fir forest 25%, deciduous forest 25%).—Dec. 28; 8 a.m. to 4:45 p.m. Rain squalls; temp. 38° to 42°; wind

5, 20-35 m.p.h. Nineteen observers in 9 parties. Total party-hours, 56 (42 on foot, 14 by car); total party-miles, 90 (30 on foot, 60 by car). Common Loon, 1; Arctic Loon, 2; Red-necked Grebe, 2; Horned Grebe, 140; Western Grebe, 320; Pied-billed Grebe, 14; Double-crested Cormorant, 12; Pelagic Cormorant, 6; Great Blue Heron, 12; Mallard, 30; Am. Widgeon, 90; Pintail, 44; Green-winged Teal, 8; Shoveller, 2; Ring-necked Duck, 61; Greater Scaup, 137; Lesser Scaup, 32; Am. Golden-eye, 34; Barrow's Golden-eye, 7; Buffle-head, 26; White-winged Scoter, 72; Surf Scoter, 31; Ruddy Duck, 212; Hooded Merganser, 4; Am. Merganser, 74; Red-breasted Merganser, 31; Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 4; Ring-necked Pheasant, 2; Am. Coot, 1612; Wilson's Snipe, 2; Red-backed Sandpiper, 77; **White-rumped Sandpiper, 1** (carefully identified); Western Sandpiper, 3020; Glaucous-winged Gull, 683; Herring Gull, 555; California Gull, 26; Ring-billed Gull, 2; Short-billed Gull, 20; Bonaparte's Gull, 9; Common Murre, 2; Marbled Murrelet, 4; Band-tailed Pigeon, 2; Short-eared Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 34; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Steller's Jay, 5; Northwestern Crow, 391; Fish Crow, 2; Black-capped Chickadee, 43; Chestnut-backed Chickadee, 44; Red-breasted Nuthatch, 8; Brown Creeper, 3; Winter Wren, 15; Bewick's Wren, 1; Am. Robin, 1049; Varied Thrush, 105; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 9; Cedar Waxwing, 20; Gray Shrike, 3; Audubon's Warbler, 1; House Sparrow, 10; Western Meadowlark, 10; Red-winged Blackbird, 166; Brewer's Blackbird, 365; Evening Grosbeak, 106; Purple Finch, 6; House Finch, 165; Pine Siskin, 545; Spotted Towhee, 22; Oregon Junco, 498; White-crowned Sparrow, 1; Golden-crowned Sparrow, 1; Fox Sparrow, 2; Song Sparrow, 61. **Total,** 80 species; about 11,161 individuals.—Mr. and Mrs. Allan Beebe, William Bowman, Leo Couch, Mrs. John Duffield, Tom Duffield, Ruby Egbert, Mrs. Aaron Kanouse, Dr. and Mrs. James Lux, Christopher Mathews, Frank P. Mathews (compiler), Margaret McKenny, George Miler, Mr. and Mrs. Amos Murphy, George Staebler, Mike Webster, Mrs. Charles Williams (Olympia Audubon Society).

527. Orcas and Wasp Islands, Wash.—Dec. 21; 7 a.m. to 4:30 p.m. Hail, rain, sun; temp. 39° to 47°; wind SE, 15-35 m.p.h. Twelve observers in 6 parties. Total party-hours, 72 (67 on foot, 5 by car); total party-miles, 90 (15 on foot, 75 by car). Common Loon, 154; Arctic Loon, 91; Red-necked Grebe, 11; Horned Grebe, 36; Eared Grebe, 2; Western Grebe, 504; Double-crested Cormorant, 18; Brandt's Cormorant, 7; Pelagic Cormorant, 17; Great Blue Heron, 2; Mallard, 77; Am. Widgeon, 88; Greater Scaup, 101; Lesser Scaup, 12; Am. Golden-eye, 135; Barrow's Golden-eye, 4; Buffle-head, 139; Old-squaw, 38; Harlequin Duck, 52; White-winged Scoter, 229; Surf Scoter, 255; Am. Scoter, 11; Ruddy Duck, 45; Hooded Merganser, 6; Am. Merganser, 11; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 4; Ring-necked Pheasant, 7; Am. Coot, 44; Black Oyster-catcher, 1; Black Turnstone, 17; Red-backed Sandpiper, 12; Glaucous-winged Gull, 105; Herring Gull, 176; California Gull, 7; Short-billed Gull, 24; Bonaparte's Gull, 4; Common Murre, 2; Pigeon Guillemot, 2; Marbled Murrelet, 2; Screech Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 29; Pileated Woodpecker, 4; Downy Woodpecker, 1; Northwestern Crow, 160; Chestnut-backed Chickadee, 67; Common Bushtit, 2; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 11; Bewick's Wren, 5; Am. Robin, 103; Varied Thrush, 76; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 2; Purple Finch, 25; Pine Siskin, 130; Spotted Towhee, 44; Savannah Sparrow, 20; Oregon Junco, 429; White-crowned Sparrow, 3; Fox Sparrow, 12; Song Sparrow, 110. **Total,** 67 species; about 3722 individuals.—Conrad Boede, C. J. Colmery, Elizabeth Dodd, Lew Dodd, Christopher Mathews, Frank Mathews, Karl Moran, Mary Moran, Harriet Tusler (compiler), Henry Tusler, Clare Wheeler, Foster Wheeler.

528. Seattle, Wash. (same area as previous years except less coverage on salt water and elimination of four of best areas by industrial and other development; woods and brush 25%, lakes and rivers 15%, parks and residential 30%, marsh 10%, open salt water and shores 20%).—Dec. 29; 7:30 a.m. to 5 p.m. Mostly cloudy, occasional rain; temp. 36° to 42°; wind SE, 15-30 m.p.h. Thirty-one observers in 12 parties. Total party-hours, 67 (42 on foot, 25 by car); total party-miles, 177 (65 on foot, 112 by car). Common Loon, 6; Red-throated Loon, 2; Red-necked Grebe, 3; Horned Grebe, 69; Eared Grebe, 17; Western Grebe, 431; Pied-billed Grebe, 17; Double-crested Cormorant, 28; Pelagic Cormorant, 1; Great Blue Heron, 12; Canada Goose, 32 (1 Cackling); Mallard, 1104; Gadwall, 17; European Widgeon, 1; Am. Widgeon, 502; Pintail, 31; Green-winged Teal, 67; Shoveller, 66; Redhead, 1; Ring-necked Duck, 12; Canvas-back, 69; Greater Scaup, 809; Lesser Scaup, 175; Am. Golden-eye, 200; Buffle-head, 142; White-winged Scoter, 32; Surf Scoter, 98; Ruddy Duck, 853; Hooded Merganser, 1; Am. Merganser, 7; Red-breasted Merganser, 55; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Pigeon Hawk, 2; California Quail, 108; Ring-necked Pheasant, 15; Am. Coot, 2332; Killdeer, 100; Black Turnstone, 3; Wilson's Snipe, 10; Sanderling, 38; Glaucous-winged Gull, 4906; Western Gull, 3; Herring Gull, 80; California Gull, 3; Ring-billed Gull, 36; Short-billed Gull, 2671; Bonaparte's Gull, 107; Common Murre, 1; Pigeon Guillemot, 1; Rhinoceros Auklet, 24; Band-tailed Pigeon, 167; Snowy Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 74; Pileated Woodpecker, 1; Downy Woodpecker, 3; Steller's Jay, 42; Northwestern Crow, 360; Black-capped Chickadee, 290; Chestnut-backed Chickadee, 25; Common Bushtit, 190; Red-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 11; Bewick's Wren, 25; Long-billed Marsh Wren, 2; Am. Robin, 1899; Varied Thrush, 87; Hermit Thrush, 2; Golden-crowned Kinglet, 61; Ruby-crowned Kinglet, 53; Water Pipit, 130; Cedar Waxwing, 765; Common

Starling, 75; Audubon's Warbler, 9; Townsend's Warbler, 3; Western Meadowlark, 9; Red-winged Blackbird, 36; Brewer's Blackbird, 29; Evening Grosbeak, 6; Purple Finch, 80; House Finch, 74; Pine Siskin, 1390; Am. Goldfinch, 630; Spotted Towhee, 77; Slate-colored Junco, 2; Oregon Junco, 739; White-crowned Sparrow, 3; Golden-crowned Sparrow, 5; Fox Sparrow, 6; Song Sparrow, 538. **Total,** 93 species (1 additional subspecies); about 23,212 individuals.—Gerald Bakus, Bob and Elsie Boggs, Violet Cannon, Mrs. J. L. Colwell, Dennis DeCourcey, Mrs. Frank Guthrie, Walter Hagenstein, Dr. and Mrs. John Holyoke, Doris Jelliffe, Bernice Jennings, Lincoln Johannsson, Margaret Johnson, Warren Jones, Harold Kephart, Earl J. Larrison, Dr. and Mrs. John Leversee, Ruth Partridge, Bob, Billie and Peter Pyle, Webster Ransom, Frank Richardson, Bertha Schuler, Zella Schultz (compiler), Irene Urquhart, Mrs. R. Wright.

529. Spokane, Wash. (same area as previous counts; lawns, parks, cemeteries 37%, rivers bordered with brush and coniferous woods 52%, irrigated tracts and open fields 11%).—Dec. 22; 6:30 a.m. to 4:15 p.m. Partially cloudy; temp. 29° to 35°; wind variable, 10-25 m.p.h.; ground mostly bare, patches of snow at higher elevations. Twenty-seven observers in 12 parties. Total party-hours, 94 (45 on foot, 49 by car); total party-miles, 385 (48 on foot, 337 by car). Pied-billed Grebe, 5; Great Blue Heron, 24; Canada Goose, 51; Mallard, 2128; Gadwall, 2; Am. Widgeon, 20; Green-winged Teal, 34; Ring-necked Duck, 170; Lesser Scaup, 60; Am. Golden-eye, 197; Hooded Merganser, 2; Am. Merganser, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 10; Ruffed Grouse, 1; **Blue Grouse, 1** (carefully identified); California Quail, 176; Ring-necked Pheasant, 102; Am. Coot, 91; **Killdeer, 11**; Wilson's Snipe, 12; Ring-billed Gull, 9; **Mourning Dove, 13**; Horned Owl, 1; Pygmy Owl, 1; Belted Kingfisher, 12; Red-shafted Flicker, 37; Pileated Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 6; Am. Magpie, 63; Am. Crow, 2; Clark's Nutcracker, 9; Black-capped Chickadee, 238; Mountain Chickadee, 82; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 77; Pygmy Nuthatch, 388; Brown Creeper, 19; Am. Dipper, **8**; Winter Wren, 1; Cañon Wren, **6**; Am. Robin, 96; Varied Thrush, 2; Townsend's Solitaire, 2; Golden-crowned Kinglet, **324**; Bohemian Waxwing, 1283; Cedar Waxwing, 6; Gray Shrike, 13; Common Starling, 2; House Sparrow, 1127; **Western Meadowlark, 1**; **Red-winged Blackbird, 3**; Evening Grosbeak, 102; House Finch, 247; Common Redpoll, 90; Red Crossbill, 11; Slate-colored Junco, 2; Oregon Junco, 655; Song Sparrow, 76. **Total,** 60 species; about 8147 individuals. (Seen count period: Pintail, Redhead, Barrow's Golden-eye, Buffle-head, Bald Eagle, Pigeon Hawk, Sparrow Hawk, European Partridge, **Yellow-shafted Flicker**.)—James Acton, Verna Adams, Jerry Broom, James Brown, Amelia Burns, Mattie Burke, Mr. and Mrs. Archie Clough, Mr. and Mrs. Lloyd Christenson, Tom Groh, Mr. and Mrs. M. C. Haggin, Warren Hall (compiler), Katherine Hunt, Lynn LaFave, Anne Merager, Vee Nealey, George Offutt, Tom Rogers, Mrs. Maurice Schanks, Mr. and Mrs. S. O. Stanley, Connie Smedley, Mrs. Charles Tietgen, Duncan Thompson, Alma Walker.

530. Baker, Ore. (7½-mile radius centering 5 miles north of Baker; 3100-3800 ft.; lawns, parks, cemeteries 35%, evergreen foothills 20%, cultivated fields and pastures 25%, woods and shrubs along river 20%).—Dec. 22; 7 a.m. to 4:30 p.m. Sunny except for early clouds; temp. 30° to 40°; wind S to SE, 5-15 m.p.h.; little snow except at higher elevations, ponds thinly frozen, rivers and creeks open. Eight observers in 6 parties. Total party-hours, 31 (20 on foot, 11 by car); total party-miles, 128 (15 on foot, 113 by car). Great Blue Heron, 1; Mallard, 78; Pintail, 2; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 9; Sparrow Hawk, 1; Sage Hen, 3; Ring-necked Pheasant, 52; Killdeer, 10; California Gull, **40**; Belted Kingfisher, 1; Red-shafted Flicker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 5; Steller's Jay, 12; Am. Magpie, 201; Am. Crow, 1; Black-capped Chickadee, 6; Mountain Chickadee, 15; Brown Creeper, 1; Am. Robin, **84**; Townsend's Solitaire, 2; Cedar Waxwing, 45; Gray Shrike, 1; Common Starling, 47; House Sparrow, 906; Western Meadowlark, **40**; Brewer's Blackbird, **300**; Evening Grosbeak, **209**; House Finch, 34; Am. Goldfinch, 20; Oregon Junco, 146; Song Sparrow, 4. **Total,** 35 species; about 2290 individuals. [Exceptionally neat, carefully prepared report—Ed.] (Seen count period: Canada Goose, Golden Eagle, Mourning Dove, Horned Lark, Bohemian Waxwing, Gray-crowned Rosy Finch.)—Margaret Anderson, Philo Anderson, Gertrude Inman, Marion Inman, Ava Steiger, Rives Waller, Ann Ward (compiler), Gaylord Ward.

531. Eugene, Ore. (15-mile diameter, including Fern Ridge Reservoir, Willamette River; same area as on all previous counts).—Dec. 29; 7:30 a.m. to 4:30 p.m. Frequent showers; temp. 36° to 46°; wind gusty, to 20 m.p.h. Twenty-three observers in 6 parties. Total party-hours, 44 (30 on foot, 14 by car); total party-miles, 190 (20 on foot, 170 by car). Eared Grebe, 2; Pied-billed Grebe, 2; Great Blue Heron, 7; Canada Goose, 1500; White-fronted Goose, 7; Mallard, 43; Gadwall, 6; Am. Widgeon, 46; Pintail, 110; Green-winged Teal, 2; Shoveller, 2; Wood Duck, 3; Ring-necked Duck, 14; Ruddy Duck, 5; ducks and geese (spp.), 4000; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 12; Marsh Hawk, 5; Sparrow Hawk, 26; Bob-white, 35; Mountain Quail, 2; Ring-necked Pheasant, 150; Am. Coot, 60; Killdeer, 1000; Wilson's Snipe, 52; Least Sandpiper, 4; Ring-billed Gull, 68; Bonaparte's Gull, 10; Band-tailed Pigeon, 10; Mourning Dove, 3; Screech Owl, 1; Pygmy Owl, 2; Belted Kingfisher, 4; Red-shafted Flicker, 196; Acorn Woodpecker, 130; Lewis's Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 12; **Say's Phoebe, 1** (carefully identified); Steller's Jay, 85; Scrub Jay, 110; Northwestern Crow, 3120; Black-capped Chickadee, 94; Common Bushtit, 41; White-breasted Nuthatch,

4; Red-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 3; Bewick's Wren, 6; Am. Robin, 2300; Varied Thrush, 244; Hermit Thrush, 1; Western Bluebird, 27; Golden-crowned Kinglet, 153; Ruby-crowned Kinglet, 29; Water Pipit, 610; Cedar Waxwing, 20; Gray Shrike, 5; Common Starling, 1750; **Orange-crowned Warbler, 1**; Myrtle Warbler, 30; Audubon's Warbler, 58; House Sparrow, 140; Western Meadowlark, 110; Red-winged Blackbird, 618; Brewer's Blackbird, 2500; Brown-headed Cowbird, 25; Evening Grosbeak, 40; Purple Finch, 22; House Finch, 10; Lesser Goldfinch, 4; Spotted Towhee, 94; Savannah Sparrow, 1; Oregon Junco, 620; White-crowned Sparrow, 40; Golden-crowned Sparrow, 82; **White-throated Sparrow, 1**; Fox Sparrow, 5; Song Sparrow, 56. **Total,** 80 species; about 20,614 individuals.—Freda Baker, Ruth Beacon, Mary Castelloe, Molly Clarke, Lawrence Daggett (compiler), Richard Flynn, Ronny Flynn, C. S. Gregor, Myrtie Hamlin, Helen Kilpatrick, Barbara Lund, Margaret Markley, Frances Newsome, Ben Pruitt, Hal Pruitt, Harvey Quigley, Wilbur Rittenhouse, Mrs. John Radmore, Nora Robertson, Frank Sipe, May Sparmblek, Ray Wiseman, Emma Wright.

532. **Fort Klamath, Ore.** (15-mile diameter circle; open fields 70%, marshland 5%, pine and fir forests 10%, lake and river 13%, residential 2%).—Dec. 31; 7:30 a.m. to 5 p.m. Clear; temp. 0° to 40°; no wind; 0-18-in. snow on ground, ponds and lakes frozen, rivers open. Two observers in 1 party. Total party-hours, 9½ (1 on foot, 8½ by car); total party-miles, 80 (1 on foot, 79 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Mallard, 8; Gadwall, 1; Am. Widgeon, 3; Pintail, 1; Lesser Scaup, 1; Buffle-head, 2; Ruddy Duck, 3; Red-tailed Hawk, **104**; **Swainson's Hawk, 6** [no details—Ed.]; Rough-legged Hawk, **62**; Bald Eagle, 1; Marsh Hawk, 3; California Quail, 13; Am. Coot, 59; Killdeer, 3; Wilson's Snipe, 1; Ring-billed Gull, 7; Belted Kingfisher, 3; Pileated Woodpecker, 2; Williamson's Sapsucker, 1; Hairy Woodpecker, 1; Gray Jay, 1; Steller's Jay, 2; Am. Magpie, 280; Mountain Chickadee, 110; Brown Creeper, 17; Am. Dipper, 8; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; House Sparrow, 140; Yellow-headed Blackbird, 1; Red-winged Blackbird, 20; **Tricolored Blackbird, 25**; Brewer's Blackbird, 100; Brown-headed Cowbird, 10; Evening Grosbeak, 8; Red Crossbill, 3; Oregon Junco, 60; **Golden-crowned Sparrow, 3**; Song Sparrow, 3. **Total,** 43 species; about 1104 individuals. (Seen count period: Canada Goose, Horned Owl, White-headed Woodpecker, Common Raven, White-breasted Nuthatch, Red-breasted Nuthatch.)—Lyle Brewer, Mrs. Anna Strahan (compiler).

533. **Malheur National Wildlife Refuge, Ore.** (southern portion of refuge, 15-mile diameter circle centered on Blitzen River ½ mile north of Five Mile Rd.; dry hay meadows 50%, willow 20%, juniper and sagebrush uplands 5%, ponds and lakes 20%, canals and streams 5%).—Dec. 31; 7 a.m. to 4:30 p.m. Clear to cloudy; temp. 10° to 35°; wind variable, 0-2 m.p.h. Two observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 68 (3 on foot, 65 by car). Great Blue Heron, 15; Am. Egret, 2; Whistling Swan, 189; Canada Goose, 648; Mallard, 290; Gadwall, 2; Am. Widgeon, 243; Pintail, 10; Green-winged Teal, 60; Redhead, 2; Canvas-back, 2; Lesser Scaup, 45; Am. Golden-eye, 101; Buffle-head, 3; Ruddy Duck, 9; Hooded Merganser, 22; Cooper's Hawk, 3; Red-tailed Hawk, 2; Rough-legged Hawk, 55; Marsh Hawk, 22; California Quail, 192; Ring-necked Pheasant, 71; Am. Coot, 157; Killdeer, 5; Wilson's Snipe, 3; Horned Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 9; Downy Woodpecker, 2; Am. Magpie, 81; Common Raven, 3; Black-capped Chickadee, 3; Am. Dipper, 2; Long-billed Marsh Wren, 1; Cañon Wren, 9; Am. Robin, 8; Mountain Bluebird, 1; Townsend's Solitaire, 16; Gray Shrike, 2; Loggerhead Shrike, 2; House Sparrow, 20; Brewer's Blackbird, 70; Oregon Junco, 16; Song Sparrow, 14. **Total,** 45 species; about 2417 individuals.—Frank L. Kenny, David B. Marshall (compiler).

534. **Medford, Ore.** (15-mile diameter circle centering 2 miles south of Camp White; brushy hillsides 15%, mixed woodland 20%, residential 15%, farmland 30%, ponds 20%).—Dec. 27; 7:15 a.m. to 4:30 p.m. Snow turning to rain; temp. 33° to 37°; wind calm. Eleven observers in 4 parties. Total party-hours, 36 (4 on foot, 32 by car); total party-miles, 168 (8 on foot, 160 by car). Great Blue Heron, 3; Black-crowned Night Heron, 7; Mallard, 352; Am. Widgeon, 2; Pintail, 4; Ring-necked Duck, 14; Lesser Scaup, 6; Buffle-head, 1; Ruddy Duck, 32; Am. Merganser, 7; Red-tailed Hawk, 12; **Ferruginous Hawk, 1** (J.R. party); Sparrow Hawk, 18; California Quail, 269; Mountain Quail, 9; Ring-necked Pheasant, 91; Am. Coot, 219; Killdeer, 49; Wilson's Snipe, 7; Mourning Dove, 325; Burrowing Owl, 4; Belted Kingfisher, 5; Red-shafted Flicker, 69; Acorn Woodpecker, 27; Lewis's Woodpecker, 3; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 3; Horned Lark, 12; Steller's Jay, 2; Scrub Jay, 45; Black-capped Chickadee, 2; Plain Titmouse, 4; White-breasted Nuthatch, 6; Brown Creeper, 3; Bewick's Wren, 1; Long-billed Marsh Wren, 1; Am. Robin, 785; Varied Thrush, 18; Hermit Thrush, 8; Western Bluebird, 124; Ruby-crowned Kinglet, 1; Water Pipit, 21; Cedar Waxwing, 12; Loggerhead Shrike, 1; Common Starling, 244; Audubon's Warbler, 5; House Sparrow, 78; Western Meadowlark, 287; Red-winged Blackbird, 171; **Tricolored Blackbird, 6**; Brewer's Blackbird, 989; Brown-headed Cowbird, 9; Purple Finch, 3; House Finch, 9; Lesser Goldfinch, 36; Spotted Towhee, 30; Brown Towhee, 18; Savannah Sparrow, 13; Oregon Junco, 738; White-crowned Sparrow, 79; Golden-crowned Sparrow, 236; Fox Sparrow, 1; Song Sparrow, 12. **Total,** 63 species; about 5551 individuals. (Seen count period: Canada Goose, Common Bushtit, Lark Sparrow.)—Ralph Browning, Mrs. Howard Bush, Maj. Gen. and Mrs. J. H. Hicks, Mrs. Robert Hubbard, Mr. and Mrs. T. McCamant (compilers), Mabel Moore, John Reynolds, Mrs. V. A. Turpin, Tom Turpin.

535. Portland, Ore. (same area as 1938 and subsequent counts; brushy woodland 25%, lakes, rivers, sloughs 20%, farmlands 25%, residential 30%).—Dec. 29; 8 a.m. to 4 p.m. Rain; temp. 37° to 43°; wind ESE, 7 m.p.h.; water open, ground clear. Sixty-five observers in 18 parties. Total party-hours, 148 (84 on foot, 64 by car); total party-miles, 543 (84 on foot, 459 by car). Pied-billed Grebe, 2; Double-crested Cormorant, 41; Great Blue Heron, 3; Green Heron, 7; Canada Goose, 79; Mallard, 1269; Gadwall, 34; European Widgeon, 1; Am. Widgeon, 4341; Pintail, 201; Green-winged Teal, 36; Shoveller, 56; Wood Duck, 1; Ring-necked Duck, 56; Lesser Scaup, 10; Buffle-head, 40; Ruddy Duck, 14; Hooded Merganser, 2; Am. Merganser, 83; Sharp-shinned Hawk, 6; Cooper's Hawk, 6; Red-tailed Hawk, 17; Sparrow Hawk, 12; California Quail, 30; Ring-necked Pheasant, 140; Sandhill Crane, 20; Am. Coot, 1077; Killdeer, 102; Wilson's Snipe, 3; Western Sandpiper, 25; Glaucous-winged Gull, 2138; **Western Gull, 95**; Herring Gull, 385; California Gull, 852; Ring-billed Gull, 453; Short-billed Gull, 1549; Band-tailed Pigeon, 29; Mourning Dove, 46; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 12; Red-shafted Flicker, 216; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 46; Steller's Jay, 70; Scrub Jay, 29; Am. Crow, 690; Black-capped Chickadee, 427; Mountain Chickadee, 2; Chestnut-backed Chickadee, 79; Common Bushtit, 165; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 25; Brown Creeper, 3; Winter Wren, 12; Bewick's Wren, 36; Am. Robin, 14,466; Varied Thrush, 305; Hermit Thrush, 1; Golden-crowned Kinglet, 71; Ruby-crowned Kinglet, 13; Water Pipit, 27; Cedar Waxwing, 484; Loggerhead Shrike, 4; Common Starling, 2178; Audubon's Warbler, 19; House Sparrow, 1889; Western Meadowlark, 77; Red-winged Blackbird, 170; Brewer's Blackbird, 2041; Brown-headed Cowbird, 8; Evening Grosbeak, 26; Purple Finch, 195; House Finch, 607; Pine Siskin, 562; Am. Goldfinch, 512; Lesser Goldfinch, 5; Spotted Towhee, 147; **Slate-colored Junco, 19**; Oregon Junco, 3136; White-crowned Sparrow, 5; Golden-crowned Sparrow, 129; **White-throated Sparrow, 1**; Fox Sparrow, 11; Song Sparrow, 924. **Total,** 86 species; about 43,143 individuals.—George Alderson, Frank A. Bartlett, Lyle Dunsmoor, Robert W. Harris, Fred Huntress, Carl G. Jacobsen, Robert James, Herbert Judd, G. A. Kibler, Roger Kirk, Urban Kubat, Kenneth Lee, Norbert Leupold (compiler), Tom McAllister, Mrs. Theo. Millette, Louis Oberson, Martha Platt, Leo Simon.

536. Benicia, Calif. (same area as in 1933 and subsequent years, along highway between Benicia and Cordelia, these towns 14 miles apart; waterfront 25%, marsh 25%, open fields 10%, hills 40%).—Dec. 31; 8 a.m. to 5 p.m. Clear with some fog drifts; temp. 44° to 47°; wind NE, 1-5 m.p.h. Two observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 36 (7 on foot, 29 by car). Western Grebe, 4; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 3; Am. Egret, 24; Snowy Egret, 9; Black-crowned Night Heron, 2; Am. Bittern, 1; Canada Goose, 7; White-fronted Goose, 12; Snow Goose, 10; Mallard, 11; Pintail, 700; Green-winged Teal, 3; Shoveller, 210; Canvasback, 2500; Lesser Scaup, 12; Am. Golden-eye, 20; Ruddy Duck, 45; Red-tailed Hawk, 16; Marsh Hawk, 15; Sparrow Hawk, 55; California Quail, 12; Ring-necked Pheasant, 4; Florida Gallinule, 6; Am. Coot, **11,000**; Killdeer, 46; Black-bellied Plover, 13; Long-billed Curlew, 73; Willet, 28; Greater Yellow-legs, 3; Red-backed Sandpiper, 7; Am. Avocet, 30; Glaucous-winged Gull, 18; Western Gull, 400; California Gull, 110; Ring-billed Gull, 35; Bonaparte's Gull, 4; Mourning Dove, 7; Anna's Hummingbird, 1; Red-shafted Flicker, 33; Say's Phoebe, 8; Tree Swallow, 40; Scrub Jay, 32; Plain Titmouse, 4; Long-billed Marsh Wren, 1; Rock Wren, 2; Mockingbird, 25; Am. Robin, 300; Hermit Thrush, 13; Western Bluebird, 5; Ruby-crowned Kinglet, 9; Water Pipit, 70; Cedar Waxwing, 36; Loggerhead Shrike, 42; Audubon's Warbler, 65; House Sparrow, 145; Western Meadowlark, 200; Red-winged Blackbird, 400; Tricolored Blackbird, 300; Brewer's Blackbird, 4300; House Finch, 40; Am. Goldfinch, 75; Lesser Goldfinch, 15; Spotted Towhee, 6; Brown Towhee, 24; Savannah Sparrow, 66; Oregon Junco, 400; White-crowned Sparrow, 150; Golden-crowned Sparrow, 25; Song Sparrow, 7. **Total,** 71 species; about 22,296 individuals.—Emerson A. Stoner (compiler), Camm Swift.

537. Big Bear Lake, Calif. (same as previous 14 years, parts of 15-mile diameter circle centering near Bertha Peak in San Bernardino Mts.).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 25° to 68°; wind 0-5 m.p.h.; traces of snow in higher canyons, lakes almost dry and thinly frozen. Ten observers in 4 parties. Total party-hours, 32 (12 on foot, 20 by car); total party-miles, 300 (10 on foot, 290 by car). Great Blue Heron, 1; Red-tailed Hawk, 5; Golden Eagle, 2; Am. Coot, 6; Killdeer, 1; Wilson's Snipe, 5; Ring-billed Gull, 25; Band-tailed Pigeon, 64; Red-shafted Flicker, 6; Acorn Woodpecker, 34; Hairy Woodpecker, 4; Nuttall's Woodpecker, 1; White-headed Woodpecker, 11; Steller's Jay, 52; Scrub Jay, 12; Piñon Jay, 2; Clark's Nutcracker, 2; Mountain Chickadee, 190; Plain Titmouse, 2; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 4; Pygmy Nuthatch, 40; Rock Wren, 1; Am. Robin, 4; Townsend's Solitaire, 6; Ruby-crowned Kinglet, 2; House Sparrow, 25; Brewer's Blackbird, 150; Purple Finch, 18; House Finch, 8; **Slate-colored Junco, 1** (Carefully identified—M.L. party); Oregon Junco, 122; **Gray-headed Junco, 1** (carefully identified—M.L. party); White-crowned Sparrow, 20. **Total,** 34 species; about 844 individuals.—Leo R. Best, Erna M. Comby, J. H. Comby (compiler), Ella Gihlein, Ellen Kidd, Les Knipping, Mary Lewis, Dave Morton, Mildred Smith, Jo Vaughn.

538. Chico, Calif. (along Big Chico Creek from 1 mile above and below its mouth along Sacramento River, upstream to Chico, and 7 miles farther upstream).—Dec. 28; 7:30 a.m. to 4 p.m. Rain a.m., overcast p.m.; temp. 43° to 46°; no wind. Nine

observers in 2 parties. Total party-hours, 16 (2 on foot, 14 by car); total party-miles, 39 (4 on foot, 35 by car). Great Blue Heron, 2; White-fronted Goose, 26; Snow Goose, 431; goose (sp.), 210; Wood Duck, 4; duck (sp.), 30; Turkey Vulture, 11; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Sparrow Hawk, 10; California Quail, 3; Ring-necked Pheasant, 3; Sandhill Crane, 26; Am. Coot, 69; Killdeer, 56; Wilson's Snipe, 3; Mourning Dove, 16; Belted Kingfisher, 2; Red-shafted Flicker, 80; Acorn Woodpecker, 56; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 2; Nuttall's Woodpecker, 19; Black Phoebe, 9; Scrub Jay, 85; Am. Crow, 3; Plain Titmouse, 34; Common Bushtit, 63; White-breasted Nuthatch, 21; Winter Wren, 3; Bewick's Wren, 3; Rock Wren, 3; Mockingbird, 2; Am. Robin, 250; Varied Thrush, 3; Hermit Thrush, 2; Western Bluebird, 55; Townsend's Solitaire, 1; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 37; Water Pipit, 29; Cedar Waxwing, 15; Loggerhead Shrike, 1; Common Starling, 66; Orange-crowned Warbler, 2; Audubon's Warbler, 39; House Sparrow, 52; Western Meadowlark, 171; Brewer's Blackbird, 203; Evening Grosbeak, 25; House Finch, 87; Pine Siskin, 1; Lesser Goldfinch, 149; Spotted Towhee, 78; Brown Towhee, 28; Savannah Sparrow, 31; Lark Sparrow, 4; Oregon Junco, 456; White-crowned Sparrow, 1414; Golden-crowned Sparrow, 135; White-throated Sparrow, 1; Song Sparrow, 9 **Total,** 61 species; about 4653 individuals.—Daisy Johnson, Richard G. Johnson, Susan Kendall, Homer Lowe, Tom Rodgers (compiler), Beulah Roberts, Clifford Roberts, Mrs. Paul Roberts, Dallas A. Sutton.

539. China Lake, Calif. (same area as last year; residential 22%, sewage plant ponds 33%, creosote desert 11%, irrigated fields 18%, willow–sage riparian 16%).—Dec. 22; 7 a.m. to 5 p.m. Clear to thin overcast; temp. 35° to 69°; wind variable, 0-5 m.p.h. Five observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 46 (6 on foot, 40 by car). Mallard, 400; Am. Widgeon, 3; Pintail, 300; Green-winged Teal, 35; Shoveller, 300; Canvas-back, 20; Lesser Scaup, 2; Ruddy Duck, 40; Golden Eagle, 1; Sparrow Hawk, 5; California Quail, 15; Am. Coot, 30; Killdeer, 10; Western Sandpiper, 10; Red-shafted Flicker, 16; Say's Phoebe, 4; Horned Lark, 34; Common Raven, 30; Plain Titmouse, 1; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Rock Wren, 1; Mockingbird, 10; **California Thrasher, 1**; Am. Robin, 7; Western Bluebird, 6; Ruby-crowned Kinglet, 5; Water Pipit, 25; Loggerhead Shrike, 5; Common Starling, **250**; Audubon's Warbler, 7; House Sparrow, 80; Western Meadowlark, 21; Red-winged Blackbird, 600; **Bullock's Oriole, 1** (carefully studied at close range); Brewer's Blackbird, 180; House Finch, 21; Pine Siskin, 18; Lesser Goldfinch, 14; Brown Towhee, 2; Savannah Sparrow, 6; Sage Sparrow, 12; Oregon Junco, 40; White-crowned Sparrow, 150; Fox Sparrow, 2; Song Sparrow, 4. **Total,** 46 species; about 2728 individuals. (Seen count period: Western Grebe, White-fronted Goose, Canada Goose, Road-runner, Cedar Waxwing.)—Lloyd W. Brubaker, Carl A. Heller, Ronald A. Henry, Katy Henry, Donald W. Moore (compiler) (China Lake Natural Science Club).

540. Contra Costa County, Calif. (7½-mile radius centering on intersection of Treat Lane and Clayton Valley Rd., includes Mt. Diablo, Walnut Creek, Concord, Pacheco, Pittsburg, Clayton, Port Chicago, Avon; bayshore 30%, mountain 20%, suburbs 15%, deciduous farm woodlots 20%, plowland 10%, pasture 5%).—Dec. 22; 7 a.m. to 5:30 p.m. Clear; temp. 32° to 64°; wind variable, 5-10 m.p.h. Fourteen observers in 4 parties. Total party-hours, 37 (15 on foot, 22 by car); total party-miles, 217 (22 on foot, 195 by car). Horned Grebe, 4; Eared Grebe, 1; Western Grebe, 14; Pied-billed Grebe, 30; Great Blue Heron, 4; Am. Egret, 21; Snowy Egret, 11; Green Heron, 2; Black-crowned Night Heron, 1; Am. Bittern, 1; White-fronted Goose, 24; Am. Widgeon, 69; Pintail, 213; Green-winged Teal, 2; Shoveller, 194; Ring-necked Duck, 39; Canvas-back, 149; **Greater Scaup, 2**; Lesser Scaup, 31; Buffle-head, 1; Ruddy Duck, 1124; White-tailed Kite, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 29; Marsh Hawk, 18; Sparrow Hawk, 63; California Quail, 250; Ring-necked Pheasant, 2; Sora, 1; Florida Gallinule, 5; Am. Coot, 960; Ringed Plover, 1; Killdeer, 164; Black-bellied Plover, 18; Wilson's Snipe, 46; Long-billed Curlew, 12; Willet, 9; Greater Yellow-legs, 64; **Lesser Yellow-legs, 1**; Least Sandpiper, 4; Red-backed Sandpiper, 14; Western Sandpiper, 25; Am. Avocet, 97; Glaucous-winged Gull, 2; California Gull, 1; Ring-billed Gull, 287; Short-billed Gull, 5; Bonaparte's Gull, 12; Mourning Dove, 54; Barn Owl, 5; Screech Owl, 1; Horned Owl, 7; Burrowing Owl, 1; **White-throated Swift, 9**; Anna's Hummingbird, 4; Belted Kingfisher, 4; Red-shafted Flicker, 529; Acorn Woodpecker, 58; Lewis's Woodpecker, 7; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 7; Nuttall's Woodpecker, 5; Black Phoebe, 8; Say's Phoebe, 10; Horned Lark, 71; Steller's Jay, 8; Scrub Jay, 164; **Chestnut-backed Chickadee, 5**; Plain Titmouse, 60; Common Bushtit, 109; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Wren-tit, 10; **House Wren, 1**; Bewick's Wren, 9; Rock Wren, 3; Mockingbird, 46; California Thrasher, 5; Am. Robin, 1361; Varied Thrush, 22; Hermit Thrush, 43; Western Bluebird, 83; Ruby-crowned Kinglet, 97; Water Pipit, 51; Cedar Waxwing, 137; Loggerhead Shrike, 40; Common Starling, 217; Hutton's Vireo, 3; Audubon's Warbler, 193; Common Yellowthroat, 11; House Sparrow, 376; Western Meadowlark, 871; Red-winged Blackbird, 1861; Brewer's Blackbird, 3103; Brown-headed Cowbird, 9; House Finch, 550; Pine Siskin, 44; Am. Goldfinch, 208; Lesser Goldfinch, 76; Spotted Towhee, 29; Brown Towhee, 46; Savannah Sparrow, 368; Rufous-crowned Sparrow, 16; **Sage Sparrow, 2**; Oregon Junco, 533; White-crowned Sparrow, 774; Golden-crowned Sparrow, 263; **White-throated Sparrow, 1**; Fox Sparrow, 7; Lincoln's Sparrow, 2; Song Sparrow, 251. **Total,** 112 species; about 16,907 individuals. [Excellent details for all unusual observations—Ed.]—Betty Adamson, Harry Adamson (compiler, Richard Beitzel, Violet Beitzel, Harry Couden,

A. Laurence Curl, Robert Elstone, Paul Opler, Pauline Opler, C. John Ralph, Glenn Shanks, Richard Stallcup, Peter Veitch, Beverly Wilder (Mt. Diablo Audubon Society).

541. Crystal Springs Reservoir, Calif. (7½-mile radius including South San Francisco Bay in vicinity of Belmont Slough, San Mateo Bridge, Crystal Springs Valley and Lakes, northern Santa Cruz Mts., Pacific Ocean at Half Moon Bay; open salt water 15%, tidal salt marsh 10%, exposed mud flats 5%, lawns and shrubbery 10%, fresh-water lakes 10%, chaparral-covered hillsides 15%, farm and grazing land 15%, forested canyons and ridges 10%, ocean beach 10%).—Dec. 28; 7 a.m. to 8 p.m. Clear on bay side, low clouds and mist on coast; temp. 45° to 65°; no wind. Eighteen observers in 5 parties. Total party-hours, 33 (16 on foot, 13 by car, 4 by boat); total party-miles, 86 (8 on foot, 74 by car, 4 by boat). Horned Grebe, 21; Eared Grebe, 10; Western Grebe, 15; Pied-billed Grebe, 22; White Pelican, 31; Double-crested Cormorant, 3; Brandt's Cormorant, 1; Pelagic Cormorant, 22; Great Blue Heron, 24; Am. Egret, 30; Snowy Egret, 17; Black-crowned Night Heron, 269; Canada Goose, 540; Black Brant, 34; Mallard, 372; Gadwall, 202; Am. Widgeon, 1232+; Pintail, 1240+; Green-winged Teal, 2; Shoveller, **15,660+**; Wood Duck, 4; Redhead, 2; Ring-necked Duck, 34; Canvas-back, 953; Lesser Scaup, 288; Am. Golden-eye, 3; Buffle-head, 5; Surf Scoter, 27; Am. Scoter, 1; Ruddy Duck, 55; Red-breasted Merganser, 9; Turkey Vulture, 26; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 26; Golden Eagle, 2; Marsh Hawk, 2; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 34; California Quail, 65; Clapper Rail, 1; Am. Coot, 1167; Black Oyster-catcher, 2; Snowy Plover, 1; Ringed Plover, 2; Killdeer, 44; Ruddy Turnstone, 3; Wilson's Snipe, 1; Long-billed Curlew, 6; Hudsonian Curlew, 7; Spotted Sandpiper, 1; Willet, 853; Red Knot, 18; Least Sandpiper, 750; Red-backed Sandpiper, 337; Long-billed Dowitcher, 32; Western Sandpiper, 1950; Marbled Godwit, 658+; Sanderling, 2; Am. Avocet, 236; Glaucous-winged Gull, 12; Western Gull, 43; Herring Gull, 1001; California Gull, 210; Ring-billed Gull, 1862; Short-billed Gull, 25; Bonaparte's Gull, 5; Caspian Tern, 28; Band-tailed Pigeon, 163; Mourning Dove, 48; Barn Owl, 1; Anna's Hummingbird, 22; Belted Kingfisher, 2; Red-shafted Flicker, 46; Acorn Woodpecker, 10; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Black Phoebe, 20; Say's Phoebe, 3; **Western Flycatcher, 1** (carefully identified, wintering in Arbib yard); Steller's Jay, 10; Scrub Jay, 213; Chestnut-backed Chickadee, 112; Plain Titmouse, 10; Common Bushtit, 112; Wren-tit, 29; Winter Wren, 1; Bewick's Wren, 9; Mockingbird, 16; California Thrasher, 7; Am. Robin, 2617+; Varied Thrush, 61; Hermit Thrush, 38; Western Bluebird, 28; Ruby-crowned Kinglet, 15; Water Pipit, 5; Cedar Waxwing, 141; Loggerhead Shrike, 9; Hutton's Vireo, 1; Myrtle Warbler, 6; Audubon's Warbler, 76; House Sparrow, 92; Western Meadowlark, 123; Red-winged Blackbird, 262; Brewer's Blackbird, 1288; Brown-headed Cowbird, 4; Purple Finch, 15; House Finch, 1872+; Pine Siskin, 100; Am. Goldfinch, 20; Lesser Goldfinch, 70; Spotted Towhee, 30; Brown Towhee, 115; Savannah Sparrow, 7; Oregon Junco, 285; White-crowned Sparrow, 125; Golden-crowned Sparrow, 100; Fox Sparrow, 6; Song Sparrow, 25. **Total,** 120 species; about 38,920+ individuals.—Robert S. Arbib, Jr., Mrs. S. M. Bump, Mrs. Aveline Butler, B. Neil Dickinson, Joe Dickinson, Mrs. Oleta Dickinson (compiler), Kevin Gray, F. Ben La Mar, Jr., Mrs. Georgiana Larsen, Harold Larsen, John Larson, Mrs. Dorothy Lilly, J. Ed. McClellan, Vernon Nellis, Victor Robelet, Max R. Schreiber, Mrs. Winona Sears, C. L. Sleeper (Sequoia Audubon Society).

542. Death Valley National Monument, Calif. (7½-mile radius of Monument Headquarters; all observations below sea-level; Furnace Creek Ranch and nearby springs from –240 to –100 ft. elevation). —Dec. 23; 7:30 a.m. to 4:30 p.m. Clear; temp. 58° to 78°; wind NE, 5-10 m.p.h. Six observers in 2 parties. Total party-hours, 21 (20 on foot, 1 by car); total party-miles, 22 (12 on foot, 10 by car). Mallard, 3; Green-winged Teal, 4; Shoveller, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Prairie Falcon, 1; Gambel's Quail, 10; Am. Coot, 3; Killdeer, 6; Wilson's Snipe, 7; Road-runner, 2; Red-shafted Flicker, 53; Lewis's Woodpecker, 6; Yellow-bellied Sapsucker, 5; Williamson's Sapsucker, 1; Black Phoebe, 4; Say's Phoebe, 12; Common Raven, 43; Bewick's Wren, 3; Long-billed Marsh Wren, 6; Rock Wren, 1; Mockingbird, 1; Am. Robin, 95+; Ruby-crowned Kinglet, 18; Water Pipit, 23; Cedar Waxwing, 7; Loggerhead Shrike, 1; Common Starling, 240+; Audubon's Warbler, 67; House Sparrow, 21; Western Meadowlark, 34; Red-winged Blackbird, 1; House Finch, 77; Am. Goldfinch, 4; Sage Sparrow, 4; Oregon Junco, 39; Brewer's Sparrow, 3; White-crowned Sparrow, 2; Song Sparrow, 23. **Total,** 40 species; about 831 individuals.—Richard Brown, Meredith Ingham, Matt Ryan, Robert Sellers, Roland H. Wauer (compiler), Ralph Welles.

543. Escondido, Calif. (same area as in previous years, centering at Lake Hodges and including San Diequito Reservoir; fresh-water lakes 40%, wooded areas 20%, chaparral 30%, open fields 10%).—Dec. 30; 6 a.m. to 5:30 p.m. Variable high clouds; temp. 47° to 74°; wind SW, 1-10 m.p.h. Two observers in 1 party. Total party-hours, 11½ (5 on foot, 6½ by car); total party-miles, 87 (6 on foot, 81 by car). Eared Grebe, 21; Western Grebe, 3; Pied-billed Grebe, 15; Double-crested Cormorant, 19; Great Blue Heron, 6; Am. Egret, 2; **European Widgeon, 21** (at 50 ft. in comparison with Am. Widgeon); Am. Widgeon, 38; Pintail, 2000; Green-winged Teal, 11; Cinnamon Teal, 14; Shoveller, 3800; Redhead, 18; Canvas-back, 21; Buffle-head, 4; Ruddy Duck, 260; Am. Merganser, 12; Turkey Vulture, 2; White-tailed Kite, 1; Cooper's Hawk, 3; Red-tailed Hawk, 14; Red-shouldered Hawk, 4; Sparrow Hawk, 9; California Quail, 52; Am. Coot, 430; Killdeer, 11; Spotted Sandpiper, 7; California Gull, 9; Ring-billed Gull, 12; Mourning Dove, 311; Road-runner, 2;

Barn Owl, 4; Anna's Hummingbird, 5; Red-shafted Flicker, 4; Acorn Woodpecker, 9; Nuttall's Woodpecker, 4; Cassin's Kingbird, 1; Black Phoebe, 5; Say's Phoebe, 15; Horned Lark, 77; Scrub Jay, 28; Am. Crow, 97; Plain Titmouse, 9; Common Bushtit, 14; Wren-tit, 17; Mockingbird, 2; California Thrasher, 4; Am. Robin, 22; Hermit Thrush, 7; **Olive-backed Thrush, 6** (carefully identified); Western Bluebird, 111; Mountain Bluebird, 3; Black-tailed Gnatcatcher, 1; Water Pipit, 27; Cedar Waxwing, 1476; Loggerhead Shrike, 12; Hutton's Vireo, 3; Audubon's Warbler, 215; House Sparrow, 32; Western Meadowlark, 158; Red-winged Blackbird, 345; Brewer's Blackbird, 9; Brown-headed Cowbird, 2; House Finch, 517; Lesser Goldfinch, 96; Spotted Towhee, 21; Brown Towhee, 48; Savannah Sparrow, 21; Lark Sparrow, 39; Rufous-crowned Sparrow, 1; Oregon Junco, 125; Chipping Sparrow, 19; White-crowned Sparrow, 223; Golden-crowned Sparrow, 7; Lincoln's Sparrow, 2; Song Sparrow, 24. **Total,** 76 species; about 10,999 individuals.—Mrs. Sidney S. Doner (compiler), Fred N. Gallup.

544. Lodi, Calif. (7-mile radius centering at Lodi Lake, drained in winter, formed by overflow of Mokelumne River; town and suburbs 10%, vineyards and open fields 40%, open water 5%, woodlands and riverbottom 35%, marsh 10%).—Dec. 27; 8:30 a.m. to 5:30 p.m. Overcast, fog and low clouds; temp. 31° to 52°; wind S, 5-8 m.p.h.; ground damp from recent rains with good growth of grass. Three observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 31 (2 on foot, 29 by car). Canada Goose, 26; Mallard, 32; Pintail, 8; Blue-winged Teal, 10; Canvas-back, 6; Am. Merganser, 6; Red-tailed Hawk, 2; Sparrow Hawk, 3; California Quail, 4; Am. Coot, 160; Killdeer, 145; Red-shafted Flicker, 6; Acorn Woodpecker, 4; Western Kingbird, 3; Tree Swallow, 14; Blue Jay, 7; Scrub Jay, 4; Mockingbird, 3; Am. Robin, 36; Western Meadowlark, 9; Red-winged Blackbird, 48; Brewer's Blackbird, 660; Brown-headed Cowbird, 46; Cassin's Finch, 6; House Finch, 8; Savannah Sparrow, 14; Rufous-crowned Sparrow, 23; Chipping Sparrow, 24; Harris's Sparrow, 18; White-crowned Sparrow, 32; Golden-crowned Sparrow, 6; Fox Sparrow, 6. **Total,** 32 species; about 1379 individuals.—David Bergantz, Milton Bergantz (compiler), Robert Peters.

545. Los Angeles, Calif. (same area since 1937, 7½-mile radius centering near Pico and La Cienega Boulevards).—Dec. 29; 5:30 a.m. to 6 p.m. Sunny; temp. 43° to 71°; wind 5-10 m.p.h.; visibility near coast low a.m., clearing p.m. Seventy-two observers in 23 parties. Total party-hours, 199 (163 on foot, 36 by car); total party-miles, 383 (106 on foot, 277 by car). Arctic Loon, 14; Red-throated Loon, 40; Horned Grebe, 56; Eared Grebe, 81; Western Grebe, 839; Pied-billed Grebe, 44; Brown Pelican, 38; Double-crested Cormorant, 6; Brandt's Cormorant, 1; Pelagic Cormorant, 23; Great Blue Heron, 8; Am. Egret, 13; Snowy Egret, 12; Green Heron, 2; Black-crowned Night Heron, 6; Canada Goose, 1; Black Brant, 1; Mallard, 15; Am. Widgeon, 3; Pintail, 19; Green-winged Teal, 2; Shoveller, 9; Wood Duck, 1; Ring-necked Duck, 4; Canvas-back, 1; Lesser Scaup, 529; Buffle-head, 1; White-winged Scoter, 2; Surf Scoter, 1155; Ruddy Duck, 60; Red-breasted Merganser, 48; Turkey Vulture, 2; Sharp-shinned Hawk, 6; Cooper's Hawk, 7; Red-tailed Hawk, 29; Marsh Hawk, 2; **Osprey, 1** (perched and in flight); Pigeon Hawk, 6; Sparrow Hawk, 71; California Quail, 182; Am. Coot, 1115; Snowy Plover, 114; Ringed Plover, 33; Killdeer, 321; Black-bellied Plover, 63; Surf-bird, 43; Black Turnstone, 34; Wilson's Snipe, 26; Hudsonian Curlew, 13; Spotted Sandpiper, 25; Willet, 1897; Greater Yellow-legs, 12; Lesser Yellow-legs, 1; Least Sandpiper, 68; Red-backed Sandpiper, 60; dowitcher (sp.), 85; Western Sandpiper, 106; Marbled Godwit, 354; Sanderling, 698; Am. Avocet, 176; Black-necked Stilt, 1; Glaucous-winged Gull, 28; Western Gull, 153; Herring Gull, 15; California Gull, 195; Ring-billed Gull, 1406; Short-billed Gull, 52; Bonaparte's Gull, 31; Heermann's Gull, 119; Forster's Tern, 4; **Cassin's Auklet, 1** (all field marks); Band-tailed Pigeon, 4; Mourning Dove, 867; Spotted Dove, 82; Ringed Turtle Dove, 83; Road-runner, 2; Screech Owl, 1; Horned Owl, 13; **Black-chinned Hummingbird,** 7; White-throated Swift, 199; Anna's Hummingbird, 263; Belted Kingfisher, 5; **Yellow-shafted Flicker, 1**; Red-shafted Flicker, 137; Acorn Woodpecker, 48; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 10; Nuttall's Woodpecker, 25; **Cassin's Kingbird, 1**; Black Phoebe, 46; Say's Phoebe, 2; Scrub Jay, 462; Am. Crow, 58; Mountain Chickadee, 12; Plain Titmouse, 114; Common Bushtit, 774; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Pygmy Nuthatch, 7; Wren-tit, 493; House Wren, 10; Bewick's Wren, 52; Cañon Wren, 2; Mockingbird, 554; California Thrasher, 164; Am. Robin, **4058**; **Olive-backed Thrush, 9** (carefully identified); Hermit Thrush, 136; Western Bluebird, 30; Blue-gray Gnatcatcher, 19; Ruby-crowned Kinglet, 103; Water Pipit, 99; Cedar Waxwing, 1155; Loggerhead Shrike, 56; Hutton's Vireo, 3; **Solitary Vireo, 1** (carefully identified); Orange-crowned Warbler, 8; **Nashville Warbler, 4** (carefully identified); **Myrtle Warbler, 1**; Audubon's Warbler, 2758; Common Yellowthroat, 1; House Sparrow, 683; Western Meadowlark, 232; Red-winged Blackbird, 10; Brewer's Blackbird, 1787; Brown-headed Cowbird, 1; Purple Finch, 108; Cassin's Finch, 1; House Finch, 2739; Pine Siskin, 2; Am. Goldfinch, 170; Lesser Goldfinch, 148; Lawrence's Goldfinch, 13; Spotted Towhee, 115; Brown Towhee, 829; **Abert's Towhee, 6**; Savannah Sparrow, 185; Lark Sparrow, 166; Rufous-crowned Sparrow, 6; **Slate-colored Junco, 1**; Oregon Junco, 1413; Chipping Sparrow, 116; **Harris's Sparrow, 3** (carefully identified); White-crowned Sparrow, 1348; Golden-crowned Sparrow, 100; Fox Sparrow, 62; Lincoln's Sparrow, 2; Song Sparrow, 138. **Total,** 148 species; about 33,924 individuals. [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.] —Eugene Anderson, Clarence C. Beasley, Robert Blackstone, Warren Blazer, J. Stanley Brode, Herbert Clarke, Olga Clarke, Ethel Craig, Mary Craig,

Loring Dales, Caroline Daugherty, Merritt S. Dunlap, David DuVal, John V. Frederick, Elizabeth Fulton, T. C. Gee, Mayme Gee, Dorothy Goddard, Tom Goodman (compiler), Maizie Goodman, Pat Gould, Bill Griffin, Kay Hardt, Allen Hardt, George T. Hastings, Paul Herman, Mrs. Harry Hoffman, Dick Holmes, J. W. Huffman, Jimmie Huffman, Warren Hunt, Esther Johnson, Reginald Julian, Mrs. Reginald Julian, Ione Kaplan, Elsie Kennedy, Ruth Kennedy, Ben King, Mrs. Wayne B. Knight, Arnold Krieger, Elizabeth Lawrence, Betty Meyerfeld, Alan Meyerfeld, Marjorie Moody, Linda Ochoa, Gudrun Pepke, Clara Pflager, Marvin Pistrang, Helen Reed, Earl Rugraff, Robert Sandmeyer, Mrs. Mary B. Salmon, Mrs. Chester W. Schaeffer, Roscoe Schaffert, Catherine Shaw, Fern Shelford, Mrs. Oscar Slattebo, Arnold Small, Dick Smith, Nell Spencer, Mrs. Clara L. Splitter, Norma Splitter, Bob Strathearn, Alma Stultz, Mrs. Harold Swain, R. L. Taylor, Margie Taylor, John Tramontano, Otis Wade, Clara Weedmark, Russell Wilson, Marion Wilson.

546. Marysville, Calif. (7½-mile radius centering on 4th and E Sts., including Ellis Lake, irrigated farmlands, tule lands and rice fields, Plumas Lake, prairie east of Marysville, foothill area near Loma Rica; foothills 25%, suburbs 15%, open farmland 60%).—Dec. 29; 7 a.m. to 4 p.m. [Rain or shine?—Ed]; temp. 42° to 48°; wind 5 m.p.h. Four observers in 3 parties. Total party-miles, 63 (7 on foot, 56 by car). Pied-billed Grebe, 5; Great Blue Heron, 3; Am. Egret, 37; **Green Heron, 2**; Black-crowned Night Heron, 45; Am. Bittern, 2; Canada Goose, 3175; Black Brant, 500 [no details, not underlined as unusual—Ed.]; White-fronted Goose, 50; Snow Goose, 1250; Mallard, 380; Am. Widgeon, 2500; Pintail, 7500; Green-winged Teal, 100; Blue-winged Teal, 100; Cinnamon Teal, 100; Shoveller, 2; Wood Duck, 50; Canvas-back, 100; Red-tailed Hawk, 12; Marsh Hawk, 9; Pigeon Hawk, 2; Sparrow Hawk, 39; California Quail, 76; Ring-necked Pheasant, 91; Sandhill Crane, 12; Florida Gallinule, 10; Am. Coot, 12,490; Killdeer, 146; Wilson's Snipe, 6; Greater Yellow-legs, 4; Least Sandpiper, 150; Band-tailed Pigeon, 8; Mourning Dove, 57; Barn Owl, 3; Saw-whet Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 23; Acorn Woodpecker, 26; Lewis's Woodpecker, 2; Downy Woodpecker, 3; Black Phoebe, 6; Say's Phoebe, 1; Horned Lark, 8; Scrub Jay, 12; Yellow-billed Magpie, 271; Am. Crow, 31; Plain Titmouse, 2; House Wren, 50; Winter Wren, 1; Bewick's Wren, 1; Mockingbird, 10; Am. Robin, 14; Western Bluebird, 16; Mountain Bluebird, 6; Ruby-crowned Kinglet, 4; Water Pipit, 150; Cedar Waxwing, 15; Phainopepla, 1; Loggerhead Shrike, 33; Hutton's Vireo, 3; **Myrtle Warbler, 2**; Audubon's Warbler, 22; House Sparrow, 935; Western Meadowlark, 440; Red-winged Blackbird, 102; Tricolored Blackbird, 2; Brewer's Blackbird, 11,751; House Finch, 60; Am. Goldfinch, 119; Spotted Towhee, 6; Brown Towhee, 14; Lark Sparrow, 200; **Slate-colored Junco, 2**; Oregon Junco, 185; White-crowned Sparrow, 2206; Golden-crowned Sparrow, 125; Song Sparrow, 4. **Total,** 78 species; about 45,884 individuals.—Gertrude Cable (compiler), Samuel O. Johnson, Mildred Otto, Tunia Vandenbout.

547. Monterey Peninsula, Calif. (same area since 1949; ocean and bays 19%, rocky shores 11%, beaches and sandbars 8%, lagoons, ponds and larger streams 3%, marshes 8%, open fields and golf courses 12%, brush 3%, streambottom and thicket 6%, oak groves 2% [28%=?—Ed.]).—Dec. 30; 6:30 a.m. to 6:55 p.m. Partly cloudy; temp. 35° to 65°; wind NE, 15-35 m.p.h. Nine observers in 5 parties. Total party-hours, 60 (50 on foot, 10 by car); total party-miles, 69 (22 on foot, 47 by car). Common Loon, 2; Arctic Loon, 2; Red-throated Loon, 1; Red-necked Grebe, 2; Horned Grebe, 18; Eared Grebe, 36; Western Grebe, 73; Pied-billed Grebe, 11; Brown Pelican, 141; Brandt's Cormorant, 271; Pelagic Cormorant, 76; Great Blue Heron, 1; Black-crowned Night Heron, 5; Canada Goose, 5; Black Brant, 1; Mallard, 39; Gadwall, 2; Pintail, 30; Green-winged Teal, 5; Shoveller, 220; Redhead, 42; Canvas-back, 142; Greater Scaup, 2; Lesser Scaup, 2; Am. Golden-eye, 10; Buffle-head, 7; White-winged Scoter, 119; Surf Scoter, 649; Ruddy Duck, 66; Red-breasted Merganser, 38; Sharp-shinned Hawk, 2; Red-tailed Hawk, 9; Pigeon Hawk, 1; Sparrow Hawk, 9; California Quail, 18; Virginia Rail, 7; Sora, 1; Am. Coot, 650; Black Oyster-catcher, 23; Snowy Plover, 51; Killdeer, 53; Surf-bird, 6; Ruddy Turnstone, 2; Black Turnstone, 99; Wilson's Snipe, 13; Spotted Sandpiper, 6; Wandering Tatler, 2; Willet, 200; Least Sandpiper, 2; Western Sandpiper, 3; Marbled Godwit, 48; Sanderling, 520; Red Phalarope, 1; Glaucous-winged Gull, 107; Western Gull, 220; Herring Gull, 11; California Gull, 284; Ring-billed Gull, 6; Short-billed Gull, 110; Heermann's Gull, 56; Common Murre, 14; Band-tailed Pigeon, 163; Mourning Dove, 10; Barn Owl, 1; Screech Owl, 2; Pygmy Owl, 1; Saw-whet Owl, 2; White-throated Swift, 3; Anna's Hummingbird, 14; Belted Kingfisher, 9; Red-shafted Flicker, 16; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Black Phoebe, 22; Say's Phoebe, 3; Horned Lark, 2; Steller's Jay, 2; Scrub Jay, 41; Yellow-billed Magpie, 9; Am. Crow, 44; Chestnut-backed Chickadee, 27; Common Bushtit, 105; White-breasted Nuthatch, 1; Pygmy Nuthatch, 45; Wrentit, 5; Winter Wren, 1; Bewick's Wren, 12; Mockingbird, 3; California Thrasher, 1; Am. Robin, 1185; Varied Thrush, 9; Hermit Thrush, 17; Western Bluebird, 13; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 36; Water Pipit, 41; Cedar Waxwing, 173; Loggerhead Shrike, 6; Common Starling, 2; Hutton's Vireo, 11; Orange-crowned Warbler, 2; Audubon's Warbler, 129; Townsend's Warbler, 23; Common Yellowthroat, 2; House Sparrow, 52; Western Meadowlark, 282; Red-winged Blackbird, 1413; Tricolored Blackbird, 3; Brewer's Blackbird, 1643; **Black-headed Grosbeak, 1 (D.M.)**; Purple Finch, 3; House Finch, 920; Am. Goldfinch, 2; Lesser Goldfinch, 11; Spotted Towhee, 12; Brown Towhee, 7; Savannah Sparrow, 1; Oregon Junco, 98; White-crowned Sparrow, 198; Golden-crowned Sparrow, 45; Fox Sparrow, 4; Lincoln's Sparrow, 1; Song Sparrow,

20. **Total,** 124 species; about 11,469 individuals.—Russell D. Butcher, Robert O. Elstone, Elmer E. Highley (compiler), Mickey McKerley, Daniel G. Miller, Bobby Ricklefs, Mrs. Grace B. Setzer, Laidlaw O. Williams, Vern Yadon.

548. Oakland, Calif. (same area as 1949 and subsequent years).—Dec. 29; 4:30 a.m. to 5:45 p.m. Considerable low fog and overcast; temp. 42° to 60°; wind W, 0-25 m.p.h. Sixty-one observers in 14 parties, 5 watching yards. Total party-hours, 147 (118 on foot, 29 by car); total party-miles, 295 (90 on foot, 205 by car). Red-throated Loon, 6; Red-necked Grebe, 1; Horned Grebe, 37; Eared Grebe, 108; Western Grebe, 44; Pied-billed Grebe, 73; White Pelican, 12; Double-crested Cormorant, 122; Brandt's Cormorant, 4; Great Blue Heron, 12; Am. Egret, 91; Snowy Egret, 48; **Green Heron, 1** (carefully identified); Black-crowned Night Heron, 38; Canada Goose, 82; Mallard, 252; Am. Widgeon, 720; Pintail, 340; Green-winged Teal, 71; Shoveller, 65; Redhead, 3; Ring-necked Duck, 63; Canvasback, 28,623; Greater Scaup, 6; Lesser Scaup, 13; scaup (sp.), 7225; Am. Golden-eye, 146; Bufflehead, 64; White-winged Scoter, 39; Surf Scoter, 316; Ruddy Duck, 2758; Hooded Merganser, 8; Am. Merganser, 9; Red-breasted Merganser, 20; duck (sp.), 3000; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 17; Sparrow Hawk, 58; California Quail, 238; Clapper Rail, 1; Virginia Rail, 2; Am. Coot, 1865; Snowy Plover, 34; Ringed Plover, 6; Killdeer, 192; Black-bellied Plover, 775; Ruddy Turnstone, 5; Black Turnstone, 15; Long-billed Curlew, 28; Hudsonian Curlew, 7; Spotted Sandpiper, 3; Willet, 1411; Greater Yellow-legs, 16; Least Sandpiper, 575; Red-backed Sandpiper, 4209; Long-billed Dowitcher, 344; Western Sandpiper, 4566; Marbled Godwit, 565; Sanderling, 689; Am. Avocet, 1491; Glaucous-winged Gull, 1908; Western Gull, 254; Herring Gull, 12; California Gull, 379; Ring-billed Gull, 512; Short-billed Gull, 339; Bonaparte's Gull, 397; gull (sp.), 2000; Forster's Tern, 68; Band-tailed Pigeon, 41; Mourning Dove, 245; Barn Owl, 7; Screech Owl, 2; Horned Owl, 12; Burrowing Owl, 1; Short-eared Owl, 3; **Saw-whet Owl, 3**; Anna's Hummingbird, 84; Belted Kingfisher, 3; Red-shafted Flicker, 184; Acorn Woodpecker, 34; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 10; Nuttall's Woodpecker, 13; Black Phoebe, 11; Say's Phoebe, 1; Horned Lark, 34; Steller's Jay, 102; Scrub Jay, 293; **Yellow-billed Magpie, 1**; Am. Crow, 5; Chestnut-backed Chickadee, 92; Plain Titmouse, 101; Common Bushtit, 356; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 25; Brown Creeper, 2; Wren-tit, 97; Winter Wren, 4; Bewick's Wren, 23; Mockingbird, 23; California Thrasher, 14; Am. Robin, 20,054; Varied Thrush, 308; Hermit Thrush, 126; Western Bluebird, 53; Ruby-crowned Kinglet, 56; Water Pipit, 186; Cedar Waxwing, 500; Loggerhead Shrike, 22; Myrtle Warbler, 4; Audubon's Warbler, 99; Townsend's Warbler, 1; House Sparrow, 1324; Western Meadowlark, 380; Red-winged Blackbird, 465; Brewer's Blackbird, 565; Brown-headed Cowbird, 12; **Western Tanager, 1** (visiting feeder 1 month); Purple Finch, 34; House Finch, 1387; Pine Siskin, 297; Am. Goldfinch, 8; Lesser Goldfinch, 154; Spotted Towhee, 81; Brown Towhee, 441; Savannah Sparrow, 74; Lark Sparrow, 4; Rufous-crowned Sparrow, 2; Oregon Junco, 1274; White-crowned Sparrow, 1024; Golden-crowned Sparrow, 383; **White-throated Sparrow, 3**; Fox Sparrow, 60; Lincoln's Sparrow, 3; Song Sparrow, 83. **Total,** 135 species; about 98,736 indviduals. (Turkey Vulture, Slate-colored Junco seen count period.) [Exceptionally neat, carefully prepared report—Ed.] —Betty Adamson, Harry Adamson, Philip Baukol, Albert Boles, Sadie Bozant, Myra Browne, Mrs. David Bruce, Francis Campbell, Howard Cogswell, Herold Connon, Paul Covel, Alan Craig, A. Laurence Curl, Mrs. William Ellis, George Gifford, Mrs. Carroll Hayes, William Hays, Jr., Violet Homem, Mrs. Glenn Hoover, Robert Ingham, Junea Kelly, William Landels, Alice Leet, L. Richard Leinbach, Mary Leinbach, Mr. and Mrs. Richard Leuba, Phyllis Lindley, James Linford, Jack Mann, Marie Mans, Gardner Marshall, Arthur Myer, Ethel Myer, Gordon Orians, Harold Peterson, John Ralph, Elsie Roemer, Dorothy Scott, Frank Scott, Clarence Smith, Jean Stallcup, Lee Stallcup (compiler), Richard Stallcup, Marie Sterne, Mary Taylor, Bill Terschuren, Jean Terschuren, Mr. and Mrs. John Thomas, Laura Tillman, Inez Troxell, Evelyn Van Scyoc, Marjorie Van Scyoc, Peter Veitch, Blanche Vranna, John Ward, Bev Wilder, Mr. and Mrs. A. O. Williams, Minnie Young (Golden Gate Audubon Society).

549. Oceanside–Vista, Calif. (same area as 1951; ocean shore 20%, brackish lagoon and tule marsh 30%, dry river with brush, willow and cottonwood margins 15%, chaparral hills with oak and sycamore ravines 15%, grassy and cultivated fields 5%, fresh lake-like reservoirs 5%, orchard and landscaped areas 10%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 45° to 70°; wind, 0-10 m.p.h. Five observers in 3 parties. Total party-hours, 25 (15 on foot, 10 by car); total party-miles, 60 (10 on foot, 50 by car). Horned Grebe, 6; Eared Grebe, 27; Western Grebe, 15; Pied-billed Grebe, 37; Brown Pelican, 8; Double-crested Cormorant, 17; Snowy Egret, 2; Green Heron, 3; Black-crowned Night Heron, 24; Mallard, 1; Pintail, 180; Green-winged Teal, 136; Cinnamon Teal, 7; Shoveller, 1212; Lesser Scaup, 34; Bufflehead, 39; Ruddy Duck, 1105; Red-breasted Merganser, 1; Turkey Vulture, 4; White-tailed Kite, 2; Cooper's Hawk, 1; Red-tailed Hawk, 22; Red-shouldered Hawk, 4; Sparrow Hawk, 31; Ring-necked Pheasant, 1; Am. Coot, 1024; Killdeer, 123; Black-bellied Plover, 106; Hudsonian Curlew, 2; Willet, 26; Marbled Godwit, 2; Sanderling, 68; Am. Avocet, 5; Western Gull, 153; Ring-billed Gull, 3; Heermann's Gull, 2; Royal Tern, 10; Mourning Dove, 272; Road-runner, 1; Barn Owl, 1; Anna's Hummingbird, 9; Belted Kingfisher, 4; Red-shafted Flicker, 24; Acorn Woodpecker, 5; Nuttall's Woodpecker, 1; Cassin's Kingbird, 4; Black Phoebe, 11; Say's Phoebe, 5; Horned Lark, 12; Scrub Jay, 5; Common Raven, 9; Am. Crow, 38; Common Bushtit, 110; Wren-tit, 1; House Wren, 1; Mockingbird, 49;

California Thrasher, 1; Am. Robin, 392; Hermit Thrush, 7; Western Bluebird, 41; Mountain Bluebird, 3; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 3; Water Pipit, 80; Cedar Waxwing, 715; Loggerhead Shrike, 25; Audubon's Warbler, 970; Common Yellowthroat, 4; House Sparrow, 155; Western Meadowlark, 158; Red-winged Blackbird, 800; Tricolored Blackbird, 390; Brewer's Blackbird, 2500; Brown-headed Cowbird, 6; House Finch, 1350; Am. Goldfinch, 23; Lesser Goldfinch, 73; Spotted Towhee, 1; Brown Towhee, 42; Savannah Sparrow, 106; Grasshopper Sparrow, 2; Lark Sparrow, 10; Oregon Junco, 1; White-crowned Sparrow, 715; Song Sparrow, 70. **Total,** 85 species; about 13,652 individuals. (Seen count period: Am. Widgeon, Blue-winged Teal, Marsh Hawk, Ferruginous Hawk, Golden Eagle, Wilson's Snipe, Lesser Yellow-legs, Burrowing Owl, Williamson's Sapsucker.)—L. Claire Hulbert, Lucille C. MacClellan, M. C. MacClellan, Frances L. Wallace, Dale T. Wood (compiler).

550. Orange County (central and coastal), Calif. (7½-mile radius centering on Huntington Beach, including area from Seal Beach to Corona Del Mar, inland to Santa Ana; ocean 20°, salt marsh 10%, mud flat 20%, pastures 5%, fields 30%, urban 15%).—Dec. 26; 7 a.m. to 6 p.m. Clear; temp. 50° to 69°; wind SSE, 9 m.p.h. Twenty-one observers in 8 parties. Total party-hours, 67 (31 on foot, 36 by car); total party-miles, 307 (28 on foot, 279 by car). Arctic Loon, 2; Red-throated Loon, 2; Horned Grebe, 70; Eared Grebe, 106; Western Grebe, 504; Pied-billed Grebe, 12; White Pelican, 2; Brown Pelican, 7; Double-crested Cormorant, 38; Great Blue Heron, 27; Am. Egret, 140; Snowy Egret, 27; Green Heron, 2; Black-crowned Night Heron, 3; White-fronted Goose, 4; Mallard, 44; Gadwall, 2; Am. Widgeon, 9; Pintail, 8091; Green-winged Teal, 200; Cinnamon Teal, 5; Shoveller, 439; Redhead, 8; Canvas-back, 1; Lesser Scaup, 81; Buffle-head, 4; White-winged Scoter, 1; Surf Scoter, 571; Ruddy Duck, 468; Red-breasted Merganser, 16; Turkey Vulture, 12; White-tailed Kite, 11; Sharp-shinned Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 1; **Swainson's Hawk, 1** (present for weeks); Ferruginous Hawk, 1; Marsh Hawk, 5; Peregrine Falcon, 2; Pigeon Hawk, 2; Sparrow Hawk, 98; California Quail, 6; Ring-necked Pheasant, 3; Clapper Rail, 3; Am. Coot, 2760; Snowy Plover, 198; Mountain Plover, **1156**; Killdeer, 369; Black-bellied Plover, 157; Wilson's Snipe, 140; Long-billed Curlew, 18; Hudsonian Curlew, 16; Spotted Sandpiper, 7; Wandering Tattler, 3; Willet, 752; Greater Yellow-legs, 67; Least Sandpiper, 377; Red-backed Sandpiper, 524; dowitcher (sp.), 68; Western Sandpiper, 1445; Marbled Godwit, 499; Sanderling, 415; Am. Avocet, 66; **Red Phalarope, 1**; **Northern Phalarope, 3** (both phalaropes common to Dec. 1); Western Gull, 81; Herring Gull, 31; California Gull, 51; Ring-billed Gull, 3304; Bonaparte's Gull, 25; Heermann's Gull, 12; Forster's Tern, 70; Common Tern, **12** (2 parties); Royal Tern, 1; Mourning Dove, 256; Spotted Dove, 52; **Ground Dove, 5**; Road-runner, 6; Barn Owl, 2; Burrowing Owl, 16; Short-eared Owl, 1; Anna's Hummingbird, 40; Belted Kingfisher, 3; Red-shafted Flicker, 20; Acorn Woodpecker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 2; Cassin's Kingbird, 2; Black Phoebe, 22; Say's Phoebe, 11; Horned Lark, 20; Scrub Jay, 10; Common Raven, 4; Am. Crow, 232; Common Bushtit, 59; Wren-tit, 13; Bewick's Wren, 13; Cactus Wren, 1; Long-billed Marsh Wren, 2; Mockingbird, 98; Am. Robin, 302; Hermit Thrush, 19; Mountain Bluebird, 5; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 12; Water Pipit, 2752; Cedar Waxwing, 300; Loggerhead Shrike, 93; Hutton's Vireo, 1; Orange-crowned Warbler, 4; Audubon's Warbler, 633; Common Yellowthroat, 3; Black-capped Warbler, 1; House Sparrow, 2212; Western Meadowlark, 519; Red-winged Blackbird, 570; **Hooded Oriole, 2**; **Bullock's Oriole, 4** (both orioles frequenting hummingbird feeders); Brewer's Blackbird, 2627; Brown-headed Cowbird, 110; House Finch, 5741; Am. Goldfinch, 399; Lesser Goldfinch, 144; Lawrence's Goldfinch, 6; Spotted Towhee, 2; Brown Towhee, 94; Savannah Sparrow, 942 (16 Belding's); Lark Sparrow, 132; Oregon Junco, 102; White-crowned Sparrow, 2130; Golden-crowned Sparrow, 1; Lincoln's Sparrow, 17; Song Sparrow, 80. **Total,** 133 species (1 additional subspecies); about 44,527 individuals. [Excellent details for all unusual observations submitted with both counts compiled by Arnold Lane—Ed.]—Frank Brackett, Josephine Bull, Larry Courter, Lillian Crum, Paul Engen, Norman Fleming, Bob House, Esther Johnson, John Johnson, Harry Marshall, Pat Milburn, Douglass Miller, Vanche Plumb, Dwight Roberts, Edith Sanford, Georgiana Sanford, Jean Sutton, Marie Wall, Mabel Whiting, Alice Zimmerman, Fern Zimmerman (Sea And Sage Audubon Society).

551. Orange County (northeastern), Calif. (7½-mile radius centering on Bolero Lookout, including Lemon Heights, Irvine Park, O'Neil Park, Tucker Sanctuary, and Peter's, Santiago, Black Star, Silverado, Trabuco Canyons; fields 10%, grassland 30%, chaparral, 40%, oak–sycamore woodland 20%).—Dec. 29; 6 a.m. to 7 p.m. Clear; temp. 49° to 70°; wind E to W, 6 m.p.h.; ground moist. Thirty-six observers in 9 parties. Total party-hours, 81 (49 on foot, 32 by car); total party-miles, 216 (48 on foot, 168 by car). Horned Grebe, 1; Pied-billed Grebe, 6; Great Blue Heron, 14; Am. Egret, 1; Green Heron, 1; Mallard, 5; Pintail, 12; Green-winged Teal, 8; Ring-necked Duck, 3; Canvas-back, 25; Greater Scaup, 1; Ruddy Duck, 190; Turkey Vulture, 27; White-tailed Kite, 9; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 34; Red-shouldered Hawk, 8; **Swainson's Hawk, 1**; Ferruginous Hawk, 2; Golden Eagle, 6; Marsh Hawk, 4; Prairie Falcon, 1; Sparrow Hawk, 113; California Quail, 587; Mountain Quail, 6; Am. Coot, 463; Killdeer, 84; Wilson's Snipe, 2; Least Sandpiper, 12; Red-backed Sandpiper, 50; dowitcher (sp.), 27; Band-tailed Pigeon, 24; Mourning Dove, 405; Spotted Dove, 23; Road-runner, 13; Barn Owl, 1; Screech Owl, 1; Horned Owl, 2; Poor-will, **23** (3 seen); Black-chinned Hummingbird, 1; Anna's Hummingbird, 269; Belted Kingfisher, 1; Red-shafted Flicker,

124; Acorn Woodpecker, 710; Yellow-bellied Sapsucker, 7; Nuttall's Woodpecker, 15; Cassin's Kingbird, 12; Black Phoebe, 40; Say's Phoebe, 18; Horned Lark, 5; Scrub Jay, 530; Common Raven, 26; Am. Crow, 309; Plain Titmouse, 263; Common Bushtit, 324; White-breasted Nuthatch, 7; Wren-tit, 242; House Wren, 6; Bewick's Wren, 36; Cactus Wren, 10; Cañon Wren, 2; Mockingbird, 103; California Thrasher, 37; Am. Robin, 6288; Hermit Thrush, 139; Western Bluebird, 370; Mountain Bluebird, 28; Townsend's Solitaire, 1; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 230; Water Pipit, 749; Cedar Waxwing, 1173; Phainopepla, 5; Loggerhead Shrike, 29; Hutton's Vireo, 10; Orange-crowned Warbler, 5; Audubon's Warbler, 1926; Common Yellowthroat, 1; Black-capped Warbler, 1; House Sparrow, 275; Western Meadowlark, 767; Red-winged Blackbird, 690; **Bullock's Oriole, 1** (visiting hummingbird feeder regularly); Brewer's Blackbird, 1976; Brown-headed Cowbird, 1; Black-headed Grosbeak, 1; Purple Finch, 40; House Finch, 2538; Pine Siskin, 1; Am. Goldfinch, 361; Lesser Goldfinch, 269; Lawrence's Goldfinch, 19; Green-tailed Towhee, 3; Spotted Towhee, 244; Brown Towhee, 997; Savannah Sparrow, 62; Lark Sparrow, 1547; Rufous-crowned Sparrow, 25; Sage Sparrow, 1; Oregon Junco, 781 (2 Pink-sided); Gray-headed Junco, 1; Chipping Sparrow, 6; White-crowned Sparrow, 3319; Golden-crowned Sparrow, 136; **White-throated Sparrow, 1**; Fox Sparrow, 35; Song Sparrow, 145. **Total,** 109 species (1 additional subspecies); about 30,494 individuals.—Frances Barrett, Don Bauman, Josephine Bull, Mrs. J. D. Campbell, Lillian Crum, Norman Fleming, Ruth Fleming, Daisy Grinnage, Jack Hagan, Elvera Hasford, Mrs. Harold Jacobsen, Orville Johnson, Esther Johnson, John Kochendorfer, Velma Kochendorfer, Arnold Lane (compiler). Mary Lehman, Harry Marshall, Vanche Plumb, Dan Rankin, Grace Rankin, Francis Raymond, Edith Sanford, Georgiana Sanford, Jean Sutton, John Tiffany, Mrs. John Tiffany, Anna Trythall, Marie Wall, Gene Wall, Mabel Whiting, Alice Zimmerman, Fern Zimmerman (Sea And Sage Audubon Society).

552. Pasadena–San Gabriel Valley, Calif. (same territory as in 1956).—Dec. 28; 4 a.m. to 5 p.m.; temp. 50° to 78°; no wind. Thirty-five observers in 16 parties. Total party-hours, 160 (136 on foot, 24 by car); total party-miles, 406 (111 on foot, 295 by car). Pied-billed Grebe, 44; Great Blue Heron, 2; Green Heron, 6; Black-crowned Night Heron, 1; Canada Goose, 1; Mallard, 78; **European Widgeon, 1**; Am. Widgeon, 44; Pintail, 41; Green-winged Teal, 2; Cinnamon Teal, 8; Shoveller, 3; Redhead, 19; Ring-necked Duck, 8; Canvas-back, 32; Lesser Scaup, 101; **White-winged Scoter, 2**; Ruddy Duck, 252; Turkey Vulture, 1; White-tailed Kite, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 11; Red-shouldered Hawk, 8; Ferruginous Hawk, 1; Golden Eagle, 2; Pigeon Hawk, 1; Sparrow Hawk, 62; California Quail, 128; Ring-necked Pheasant, 3; Virginia Rail, 1; Sora, 1; Florida Gallinule, 2; Am. Coot, 1112; Killdeer, 310; Wilson's Snipe, 18; Spotted Sandpiper, 2; Greater Yellow-legs, 34; Least Sandpiper, 6; Western Sandpiper, 2; Western Gull, 1; Herring Gull, 1; California Gull, 18; Ring-billed Gull, 89; Band-tailed Pigeon, 49; Mourning Dove, 755; Spotted Dove, 176; Road-runner, 3; Barn Owl, 1; Screech Owl, 3; Horned Owl, 8; Pygmy Owl, 1; **Saw-whet Owl, 1**; White-throated Swift, 19; **Black-chinned Hummingbird, 13** (carefully identified); Anna's Hummingbird, 89; **Costa's Hummingbird, 1** (all field marks); Belted Kingfisher, 7; Red-shafted Flicker, 154; Acorn Woodpecker, 21; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 14; Ladder-backed Woodpecker, 4; Nuttall's Woodpecker, 5; White-headed Woodpecker, 1; Cassin's Kingbird, 1; Black Phoebe, 47; Say's Phoebe, 8; **Vermilion Flycatcher, 1** (same area 2 months); Horned Lark, 21; Tree Swallow, 2; Steller's Jay, 17; Scrub Jay, 200; Am. Crow, 569; Mountain Chickadee, 59; Plain Titmouse, 44; Common Bushtit, 528; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 3; Wren-tit, 139; House Wren, 13; Bewick's Wren, 53; Long-billed Marsh Wren, 2; Cañon Wren, 31; Rock Wren, 4; Mockingbird, 193; California Thrasher, 30; Am. Robin, **1705**; Hermit Thrush, **97**; Western Bluebird, 11; Townsend's Solitaire, 9; Blue-gray Gnatcatcher, 45; Ruby-crowned Kinglet, 86; Water Pipit, 1242; Cedar Waxwing, 587; Loggerhead Shrike, 54; **Common Starling, 1**; Hutton's Vireo, 6; Orange-crowned Warbler, 8; Myrtle Warbler, 1; Audubon's Warbler, 728; Common Yellowthroat, 18; House Sparrow, 279; Western Meadowlark, 582; **Yellow-headed Blackbird, 1**; Red-winged Blackbird, 835; Tricolored Blackbird, 6; Brewer's Blackbird, 1639; Brown-headed Cowbird, 48; **Summer Tanager, 1** (carefully identified—R.T.H.); Cardinal, 9; Purple Finch, 69; Cassin's Finch, 2; House Finch, 2739; Pine Siskin, 152; Am. Goldfinch, 244; Lesser Goldfinch, 544; Lawrence's Goldfinch, 16; Spotted Towhee, 79; Brown Towhee, 306; Savannah Sparrow, 355; Lark Sparrow, 42; Rufous-crowned Sparrow, 3; **Slate-colored Junco, 1**; Oregon Junco, 484; Chipping Sparrow, 17; White-crowned Sparrow, 1071; Golden-crowned Sparrow, 16; Fox Sparrow, 7; Lincoln's Sparrow, 3; Song Sparrow, 244. **Total,** 133 species; about 20,164 individuals.—Pat Bennett, Mr. and Mrs. H. H. Benson, Leo R. Best, Doris Bullion, Mr. and Mrs. J. H. Comby, Fern Downing, Bland Ewing, Mr. and Mrs. J. S. Fassero, Pat Gould, Bill Grifin, Bob Hays, Paul Herman, R. T. Holmes, Mike Jacobsen, Elizabeth Lawrence, R. S. Lewis, Myra Mercer, A. G. Metzler, Ethel Noble, Margaret Otis, C. J. Parker, D. R. Powers (compiler), Dan Quattlebaum, Kathryn Smith, Richard Smith, Alma Stultz, Dick Suter, John Tramontano, John Willis, Jo Ann Wilson, Mr. and Mrs. Verne Wilson.

553. Redding, Calif. (7½-mile radius centering on city; brushy semi-wooded hillsides 10%, park 5%, gravel pits, lakes, fields 15%, flat valley farms, pasture, scattered trees, ponds, creeks 60%, rolling grasslands with oaks, pines, chaparral 10%).—Jan. 1; 8 a.m. to 6 p.m. Patches fog a.m., clear p.m.; temp. 35° to 63°; wind light. Seven observers in 3

parties. Total party-hours, 44 (42 on foot, 2 by car); total party-miles, 36 (2 on foot, 34 by car). Pied-billed Grebe, 8; Great Blue Heron, 3; Whistling Swan, 10; Canada Goose, 42; White-fronted Goose, 10; Mallard, 17; **Gadwall, 5**; Am. Widgeon, 34; Pintail, 18; Green-winged Teal, 2; Shoveller, 13; Wood Duck, 3; Redhead, 2; Ring-necked Duck, 8; Canvas-back, 35; Lesser Scaup, 6; Am. Golden-eye, 32; Buffle-head, 9; Ruddy Duck, 62; Hooded Merganser, 6; Am. Merganser, 11; Turkey Vulture, 11; White-tailed Kite, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 26; California Quail, 97; Ring-necked Pheasant, 4; Sandhill Crane, 6; Am. Coot, 333; Killdeer, 50; Wilson's Snipe, 6; Greater Yellow-legs, 8; Band-tailed Pigeon, 20; Mourning Dove, 2; Road-runner, 2; Barn Owl, 2; Screech Owl, 1; Horned Owl, 3; Anna's Hummingbird, 1; Belted Kingfisher, 2; Red-shafted Flicker, 52; Acorn Woodpecker, 127; Lewis's Woodpecker, 35; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 2; Black Phoebe, 1; Say's Phoebe, 1; Horned Lark, 30; Scrub Jay, 185; Am. Magpie, 102; Common Raven, 3; Chestnut-backed Chickadee, 12; Plain Titmouse, 5; Common Bushtit, 20; White-breasted Nuthatch, 6; Wren-tit, 2; Bewick's Wren, 3; Short-billed Marsh Wren, 1; Rock Wren, 3; Mockingbird, 3; California Thrasher, 2; Am. Robin, 400; Varied Thrush, 2; Hermit Thrush, 1; Western Bluebird, 6; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 26; Water Pipit, 28; Cedar Waxwing, 67; Loggerhead Shrike, 1; Common Starling, 125; Hutton's Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 10; House Sparrow, 186; Western Meadowlark, 191; Red-winged Blackbird, 30; Tricolored Blackbird, 6; Brewer's Blackbird, 500; Brown-headed Cowbird, 4; Purple Finch, 8; House Finch, 60; Pine Siskin, 4; Am. Goldfinch, 3; Lesser Goldfinch, 13; Spotted Towhee, 8; Brown Towhee, 12; Savannah Sparrow, 32; Vesper Sparrow, 12; Lark Sparrow, 14; Oregon Junco, 250; White-crowned Sparrow, 350; Fox Sparrow, 2; Song Sparrow, 14. **Total,** 100 species; about 3886 individuals. [Two Great White Herons reported without details and not even underlined as unusual were deleted from the list—Ed.]—Edward Frisbie, Mabel Frisbie, Virginia Hoskins, Beatrice Nielsen, George Nielsen, Mabel O. Todd, Robert I. Todd (compiler).

554. Redlands, Calif. (7½-mile radius centered in Mill Creek Canyon east of Redlands, approximately same area as past 5 years).—Dec. 23; 8:15 a.m. to 4:30 p.m. Clear; temp. 28° to 68°; wind absent or slight; ponds and reservoirs open. Eight observers in 6 parties. Total party-hours, 35 (9 on foot, 26 by car); total party-miles, 332 (18 on foot, 314 by car). Black-crowned Night Heron, 1; Am. Widgeon, 1; **Greater Scaup, 2**; **Hooded Merganser, 1**; Cooper's Hawk, 2; Red-tailed Hawk, 3; Golden Eagle, 2; Sparrow Hawk, 8; California Quail, 53; Mountain Quail, 1; Band-tailed Pigeon, 25; Mourning Dove, 15; Spotted Dove, 3; Road-runner, 2; Horned Owl, 1; Anna's Hummingbird, 2; Belted Kingfisher, 1; Red-shafted Flicker, 22; Acorn Woodpecker, 45; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Nuttall's Woodpecker, 12; White-headed Woodpecker, 6; Black Phoebe, 3; Say's Phoebe, 1; Horned Lark, 1; Steller's Jay, 37; Scrub Jay, 75; Am. Crow, 29; Clark's Nutcracker, 1; Mountain Chickadee, 45; Plain Titmouse, 15; Common Bushtit, 60; White-breasted Nuthatch, 13; Pygmy Nuthatch, 2; Wren-tit, 10; House Wren, 1; Bewick's Wren, 4; Mockingbird, 16; California Thrasher, 6; Am. Robin, 206; Varied Thrush, 6; Hermit Thrush, 1; Western Bluebird, 40; Townsend's Solitaire, 9; Ruby-crowned Kinglet, 10; Water Pipit, 20; Cedar Waxwing, 202; Loggerhead Shrike, 10; Hutton's Vireo, 3; Audubon's Warbler, 114; **Black-throated Gray Warbler, 1**; House Sparrow, 44; Western Meadowlark, 20; Brewer's Blackbird, 300+; Purple Finch, 7; House Finch, 207; Pine Siskin, 184; Am. Goldfinch, 8; Lesser Goldfinch, 58; Lawrence's Goldfinch, 23; Spotted Towhee, 14; Brown Towhee, 57; Savannah Sparrow, 1; Vesper Sparrow, 3; Lark Sparrow, 24; Sage Sparrow, 1; Oregon Junco, 166; White-crowned Sparrow, 104; Golden-crowned Sparrow, 13; Fox Sparrow, 1; Song Sparrow, 7. **Total,** 72 species; about 2397 individuals.—Roberta Cushing, Jeanne Goodman, J. D. Goodman (compiler), Mary James, Robert E. Mitchell, Eva Mary Rhodes, Mildred Smith, Josiphine Vaughn (San Bernardino Valley Audubon Society).

555. Sacramento, Calif. (7½-mile radius centering at northeast corner of Sacramento Floodwater By-pass approximately 2½ miles west of confluence of Sacramento and American Rivers; town and suburbs 25%, open fields 58%, riparian woodlands 5%, marsh 4%, open water 8%).—Dec. 29; 6:30 a.m. to 5:15 p.m. Overcast; temp. 42° to 50°; wind negligible. Sixty observers in 21 parties. Total party-hours, 177 (91 on foot, 86 by car); total party-miles, 795 (97 on foot, 698 by car). Eared Grebe, 7; Pied-billed Grebe, 102; Great Blue Heron, 18; Am. Egret, 172; Green Heron, 8; Black-crowned Night Heron, **203**; Am. Bittern, 1; Whistling Swan, 122; Canada Goose, 21,403 (3 races); White-fronted Goose, **20,457**; Snow Goose, **56,650**; goose (sp.), 4897; Mallard, **50,282**; Am. Widgeon, **20,047**; Pintail, **218,613**; Green-winged Teal, **6003**; Cinnamon Teal, 2; Shoveller, 195; Wood Duck, 15; Ring-necked Duck, 36; Canvas-back, **785**; **Greater Scaup, 1**; Lesser Scaup, 29; Ruddy Duck, 1153; **Hooded Merganser, 9**; duck (sp.), 11,226; White-tailed Kite, **28**; Sharp-shinned Hawk, 4; Cooper's Hawk, **12**; Red-tailed Hawk, **83**; Red-shouldered Hawk, 8; **Ferruginous Hawk, 3**; Marsh Hawk, 84; Sparrow Hawk, **494**; California Quail, **595**; Ring-necked Pheasant, 254; Florida Gallinule, 30; Am. Coot, **10,037**; Killdeer, **834**; Wilson's Snipe, 26; Long-billed Curlew, 307; **Spotted Sandpiper, 4**; Greater Yellow-legs, 32; Least Sandpiper, 144; Red-backed Sandpiper, 1070; Long-billed Dowitcher, 179; Western Sandpiper, 105; Marbled Godwit, 9; **Am. Avocet, 10**; sandpiper (sp.), 3000; Herring Gull, 3; California Gull, 528; Ring-billed Gull, 495; gull (sp.), 3574; Mourning Dove, 109; Barn Owl, **18**; Horned

Owl, 5; Burrowing Owl, **17**; Short-eared Owl, 9; **Saw-whet Owl, 1**; Anna's Hummingbird, 4; Belted Kingfisher, 13; Red-shafted Flicker, **736**; Acorn Woodpecker, 84; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 44; Nuttall's Woodpecker, **81**; Black Phoebe, 37; Say's Phoebe, 4; Horned Lark, 278; Scrub Jay, **549**; Yellow-billed Magpie, **2343**; Am. Crow, 1579; Plain Titmouse, 104; Common Bushtit, 168; White-breasted Nuthatch, 12; Brown Creeper, 5; Wren-tit, 1; House Wren, 16; Winter Wren, 2; Bewick's Wren, 32; Long-billed Marsh Wren, 39; Mockingbird, 132; Am. Robin, 1381; Varied Thrush, 38; Hermit Thrush, 31; Western Bluebird, **201**; **Blue-gray Gnatcatcher, 1**; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, **614**; Water Pipit, **5170**; Cedar Waxwing, 545; **Phainopepla, 1** (carefully identified); Loggerhead Shrike, 98; Common Starling, 1919; Orange-crowned Warbler, 10; **Myrtle Warbler, 1**; Audubon's Warbler, 650; **Black-throated Gray Warbler, 2**; **Common Yellowthroat, 3**; House Sparrow, 5316; Western Meadowlark, **3255**; **Yellow-headed Blackbird, 1**; Red-winged Blackbird, 8299; Brewer's Blackbird, **47,043**; Brown-headed Cowbird, 51; blackbird (sp.), 2800; **Evening Grosbeak, 1** (11 next day); House Finch, 3354; Am. Goldfinch, 1202; Lesser Goldfinch, **1090**; Spotted Towhee, 168; Brown Towhee, 72; Savannah Sparrow, **1958**; **Grasshopper Sparrow, 1**; **Vesper Sparrow, 502**; Lark Sparrow, **869**; Sage Sparrow, 2; **Slate-colored Junco, 1**; Oregon Junco, **4118**; White-crowned Sparrow, **13,917**; Golden-crowned Sparrow, **1289**; Fox Sparrow, 14; Lincoln's Sparrow, **15**; Song Sparrow, **221**. **Total,** 122 species (2 additional subspecies); about 547,044 individuals. (Seen in area count period: Turkey Vulture, Red-breasted Nuthatch.)—E. A. Albertson (compiler), A. J. Argante, Mrs. Willie Argante, Mrs. Cora Baker, Judy Bean, Mrs. Georgia Borchert, Eugene Christian, Mrs. Helen Court, James Court, William Court, Dale A. Crane, L. Robert Cunningham, Robert L. Cunningham, Jack Dennison, Mrs. Olivette Dennison, Mrs. Eleanor Eggersgluess, Ben G. Eizinger, Mrs. Marie Eizinger, Mrs. Margaret Emigh, Fred G. Evenden, Robert Frost, Mrs. Helen B. Grant, William Grant, Burgess W. Heacox, Linda Hutchinson, Mrs. Ruby M. Hutchinson, Mrs. Betty Kimball, Clarissa Kimber, Mrs. Celeste Kirsher, William K. Kirsher, Mrs. Lucy Jane Labhard, Ted Labhard, James McCammon, Mrs. Alfrieda Meuser, Mrs. Ecks Nesbitt, Mrs. Ruth Nichols, Mrs. Anita Penhale, Leonard B. Penhale, Edwin R. Pickett, Mrs. Marie Pickett, Mrs. Jeanne Pond, Wendell F. Pond, Rodney F. Reynolds, Mrs. Verna Reynolds, Madeline M. Sheridan, Bruce Swinehart, Wordena Swisher, Genevieve Trousdale, James O. Wanzer, Mrs. Magdalene Wanzer, Mrs. Elma White, Mrs. Effie Yeaw.

556. **Salton Sea, Calif.** (same as in previous years, center of circle near Shamrock Siding and includes part of Salton Sea National Wildlife Refuge; open water 25%, cultivated fields 30%, thickets 15%, marsh 10%, mudflats 10%, mesquite 5%, Tamarisk–eucalyptus groves 5%).—Dec. 26; 4:30 a.m. to 6:30 p.m. Clear; temp. 41° to 72°; wind SSE, 5-10 m.p.h.; aerial survey of waterbirds and roost of blackbirds. Six observers in 2 parties. Total party-hours, 16 (5 on foot, 11 by car); total party-miles, 140 (5 on foot, 125 by car, 10 by plane). Eared Grebe, 816; Western Grebe, 17; Pied-billed Grebe, 8; White Pelican, 20; Double-crested Cormorant, 34; Great Blue Heron, 8; Am. Egret, 27; Snowy Egret, 90; Green Heron, 1; Black-crowned Night Heron, 54; Am. Bittern, 4; Least Bittern, 1; White-faced Ibis, 27; Canada Goose, 450; White-fronted Goose, 200; Snow Goose, 7600; **Blue Goose, 1** (present all month); Ross's Goose, 2; Mallard, 48; Gadwall, 3; Am. Widgeon, 43,000; Pintail, 2060; Green-winged Teal, 7700; Cinnamon Teal, 26; Shoveller, 5400; **Wood Duck, 1**; Redhead, 14; Ring-necked Duck, 7; Canvas-back, 300; Lesser Scaup, 250; Am. Golden-eye, 120; Buffle-head, 32; Ruddy Duck, 2500; Turkey Vulture, 23; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 18; Gambel's Quail, 305; Ring-necked Pheasant, 4; Clapper Rail, 1; Virginia Rail, 3; Sora, 6; Florida Gallinule, 13; Am. Coot, 7500; Snowy Plover, 2; Mountain Plover, 4; Killdeer, 36; Black-bellied Plover, 14; Wilson's Snipe, 4; Long-billed Curlew, **1121**; Hudsonian Curlew, 180; Spotted Sandpiper, 2; **Solitary Sandpiper, 1** (carefully identified—E.O.); Willet, 41; Greater Yellow-legs, 20; Lesser Yellow-legs, **32**; Least Sandpiper, 3512; Red-backed Sandpiper, 120; Long-billed Dowitcher, 704; Western Sandpiper, 2160; Marbled Godwit, 95; Am. Avocet, 389; Black-necked Stilt, 18; Glaucous-winged Gull, 1; Herring Gull, 62; California Gull, 19; Ring-billed Gull, 1170; Mourning Dove, 2490; Ground Dove, 1; Road-runner, 7; Barn Owl, 1; Horned Owl, 2; Burrowing Owl, 9; White-throated Swift, 1; Anna's Hummingbird, 1; Red-shafted Flicker, 15; Gila Woodpecker, 26; Ladder-backed Woodpecker, 6; Ash-throated Flycatcher, 1; Black Phoebe, 6; Say's Phoebe, 19; Vermilion Flycatcher, 1; Horned Lark, 467; Tree Swallow, 460; **Barn Swallow, 1**; Verdin, 37; Bewick's Wren, 1; Cactus Wren, 11; Long-billed Marsh Wren, 21; Mockingbird, 12; Crissal Thrasher, 6; Am. Robin, 306; Mountain Bluebird, 15; Blue-gray Gnatcatcher, 1; Black-tailed Gnatcatcher, 4; Ruby-crowned Kinglet, 14; Water Pipit, 110; Cedar Waxwing, 1; Phainopepla, 3; Loggerhead Shrike, 38; **Common Starling, 51**; Orange-crowned Warbler, 78; **Myrtle Warbler, 2**; Audubon's Warbler, 860; Common Yellowthroat, 11; **Black-capped Warbler, 1**; House Sparrow, 155; Western Meadowlark, 22; Yellow-headed Blackbird, 161; Red-winged Blackbird, **1,200,000**; Brewer's Blackbird, 480; Brown-headed Cowbird, 306; House Finch, 6; Am. Goldfinch, 4; Lesser Goldfinch, 2; Lawrence's Goldfinch, 8; Abert's Towhee, 14; Savannah Sparrow, 13; Vesper Sparrow, 2; Lark Sparrow, 51; Black-throated Sparrow, 2; Sage Sparrow, 1; Oregon Junco, 2; Brewer's Sparrow, 5; White-crowned Sparrow, 760; Song Sparrow, 12. **Total,** 127 species; about 1,295,512 individuals.—William Anderson, Patrick Gould, Richard Holmes, Edward O'Neill, Arnold Small, John P. Tramontano (compiler).

557. San Bernardino, Calif. (7½-mile radius centering at Inland Lake, including Warm Creek Wildlife Refuge, foothills of Del Rosa and San Bernardino, Santa Ana River wash; ponds and cattail marshes 10%, deciduous woods 25%, chaparral 40%, suburbs and roadsides 10%, pasture 15%).—Dec. 27; 6:15 a.m. to 3:45 p.m. Clear a.m., cloudy p.m.; temp. 32° to 62°. Twenty-eight observers in 7 parties. Total party-hours, 44 (10 on foot, 34 by car); total party-miles, 102 (20 on foot, 82 by car). Pied-billed Grebe, 4; Great Blue Heron, 1; Am. Egret, 1; Green Heron, 4; Am. Widgeon, 4; Green-winged Teal, 2; Cinnamon Teal, 10; Shoveller, 49; Canvas-back, 6; Lesser Scaup, 2; Ruddy Duck, 22; Sharp-shinned Hawk, 2; Cooper's Hawk, 7; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Sparrow Hawk, 42; California Quail, 112; Ring-necked Pheasant, 4; Am. Coot, 52; Killdeer, 133; Wilson's Snipe, 36; Spotted Sandpiper, 2; Least Sandpiper, 14; Ring-billed Gull, 20; Mourning Dove, 26; Spotted Dove, 96; Road-runner, 6; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Anna's Hummingbird, 37; Belted Kingfisher, 2; **Yellow-shafted Flicker, 1**; Red-shafted Flicker, 80; Acorn Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 2; Nuttall's Woodpecker, 6; Black Phoebe, 21; Say's Phoebe, 6; **Wood Pewee, 1** (all field marks); Horned Lark, 65; **empidonax flycatcher (sp.), 1**; Steller's Jay, 9; Scrub Jay, 82; Common Raven, 6; Am. Crow, 142; Mountain Chickadee, 20; Plain Titmouse, 3; Common Bushtit, 30; Brown Creeper, 1; Wren-tit, 10; House Wren, 1; Bewick's Wren, 22; Cactus Wren, 8; Long-billed Marsh Wren, 3; Rock Wren, 3; Mockingbird, 79; California Thrasher, 26; Am. Robin, **896**; Western Bluebird, 202; Mountain Bluebird, 293; Blue-gray Gnatcatcher, 11; Ruby-crowned Kinglet, 42; Water Pipit, 153; Cedar Waxwing, **1332**; Phainopepla, 6; Loggerhead Shrike, 19; Audubon's Warbler, 378; Common Yellowthroat, 6; House Sparrow, 212; Western Meadowlark, 133; Red-winged Blackbird, 20; Brewer's Blackbird, 2690; Purple Finch, 4; House Finch, **3284**; Am. Goldfinch, 13; Lesser Goldfinch, 255; Spotted Towhee, 33; Brown Towhee, 203; Savannah Sparrow, 11; Lark Sparrow, 76; Rufous-crowned Sparrow, 1; Sage Sparrow, 6; **Slate-colored Junco, 3** (carefully identified); Oregon Junco, 147; Chipping Sparrow, 34; White-crowned Sparrow, 832; Golden-crowned Sparrow, 6; Song Sparrow, 56. **Total,** 91 species; about 12,703 individuals.—Mrs. Lucile Abbott, John and Lee Goodman, Mrs. Helen Geeslin, Mr. and Mrs. Bernard Hess, Mary James, Mr. and Mrs. James Kryder, Olive and Emma Lawson, Mary Lewis, Mrs. Dorothy Lynn, Mary Liz Mangaoang, Dorothy Maupin, Mrs. Lelia Martin, Mrs. Margaret Putman, Mrs. Eva H. Rhodes, Mrs. Avice Sewall, Mildred Smith, Mrs. Josiphine Vaughn, Leora Walker, Mrs. Ethel West (compiler), Merle J. Whitney.

558. San Diego, Calif. (7½-mile radius centering at 30th St. and Ocean View Blvd.; ocean and rocky shore 11%, tide flats 5%, salt-water bays 10%, salt marshes 5%, fresh-water ponds and reservoirs 14%, open brushland 5%, dry brushy and rocky canyons 12%, willow thickets 3%, Live Oaks 1%, city parks 14%, suburban areas and yards 20%).—Dec. 29; 5 a.m. to 5:30 p.m. Mostly clear, a few light clouds; temp. 48° to 71°; wind W, 10-16 m.p.h. Forty-eight observers in 19 parties. Total party-hours, 154 (103 on foot, 39 by car, 12 by boat); total party-miles, 389 (73 on foot, 239 by car, 77 by boat). Common Loon, 25; Arctic Loon, 16; **Red-throated Loon, 9** (3 parties); Horned Grebe, 428; Eared Grebe, 1156; Western Grebe, **610**; Pied-billed Grebe, 77; Brown Pelican, 313; Double-crested Cormorant, 1530; Brandt's Cormorant, **7062**; Pelagic Cormorant, 6; Great Blue Heron, 54; Am. Egret, 119; Snowy Egret, 65; Green Heron, 9; Black-crowned Night Heron, 30; Am. Bittern, 1; Black Brant, 129; Mallard, 46; Gadwall, 1; Am. Widgeon, 245; Pintail, 1384; Green-winged Teal, 248; Cinnamon Teal, 6; Shoveller, 72; Redhead, 6; Ring-necked Duck, 1; Canvas-back, 53; **Greater Scaup, 7**; Lesser Scaup, 2132; Am. Golden-eye, 7; Bufflehead, 654; White-winged Scoter, 26; Surf Scoter, 8012; **Am. Scoter, 6** (all field marks); Ruddy Duck, 555; **Hooded Merganser, 4** (C.L.H.); **Am. Merganser, 2**; Red-breasted Merganser, 120; Turkey Vulture, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 21; Red-shouldered Hawk, 2; Golden Eagle, 2; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 37; California Quail, 193; Clapper Rail, 4; **Virginia Rail, 1**; Sora, 1; Florida Gallinule, 1; Am. Coot, 1390; Snowy Plover, 13; Ringed Plover, 86; Killdeer, 200; Black-bellied Plover, 288; Surfbird, 13; Ruddy Turnstone, 50; Black Turnstone, 108; Wilson's Snipe, 11; Long-billed Curlew, 11; Hudsonian Curlew, 23; Spotted Sandpiper, 11; **Wandering Tattler, 2**; Willet, 669; Greater Yellow-legs, 17; Red Knot, 28; Least Sandpiper, 161; Red-backed Sandpiper, 273; Long-billed Dowitcher, 140; Eastern Dowitcher, 104; Western Sandpiper, 934; Marbled Godwit, 1488; Sanderling, 786; Am. Avocet, 61; Black-necked Stilt, 40; **Red Phalarope, 803**; **Northern Phalarope, 24**; Glaucous-winged Gull, 14; Western Gull, 1199; Herring Gull, 100; California Gull, 156; Ring-billed Gull, 2152; Bonaparte's Gull, 1173; Heermann's Gull, 231; Forster's Tern, 152; **Common Tern, 3**; Royal Tern, 15; Caspian Tern, 67; Mourning Dove, 491; Spotted Dove, 9; Road-runner, 13; Barn Owl, 1; Horned Owl, 1; Burrowing Owl, 3; **Black-chinned Hummingbird, 2**; **Costa's Hummingbird, 1** (male visiting feeder); Anna's Hummingbird, 69; Belted Kingfisher, 9; Red-shafted Flicker, 37; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 1; kingbird (sp.), 1; Black Phoebe, 45; Say's Phoebe, 11; Horned Lark, 22; Tree Swallow, 241; Scrub Jay, 63; Common Raven, 2; Am. Crow, 1; Plain Titmouse, 1; Common Bushtit, 206; **Red-breasted Nuthatch, 1**; **Brown Creeper, 1**; Wren-tit, 44; House Wren, 3; Bewick's Wren, 9; Long-billed Marsh Wren, 3; Rock Wren, 5; Mockingbird, 152; **Brown Thrasher, 1** (carefully identified—J.B., R.B.); California Thrasher, 38; Am. Robin, 1389; **Olive-backed Thrush, 4** (2 parties); Hermit Thrush, 53; Western Bluebird, 22; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 26; Water Pipit, 62; Cedar Waxwing, **3108**; Loggerhead

Shrike, 71; Hutton's Vireo, 5; Orange-crowned Warbler, 9; Audubon's Warbler, 1008; Common Yellowthroat, 3; House Sparrow, 310; Western Meadowlark, 314; Red-winged Blackbird, 685; Tricolored Blackbird, 10; **Bullock's Oriole, 1** (present weeks); Brewer's Blackbird, 383; Brown-headed Cowbird, 35; **Western Tanager, 2** (several weeks); Purple Finch, 76; **Cassin's Finch, 1**; House Finch, 1329; Am. Goldfinch, 57; Lesser Goldfinch, 220; Lawrence's Goldfinch, 1; **Green-tailed Towhee, 1**; Spotted Towhee, 23; Brown Towhee, 216; Savannah Sparrow, 97; **Grasshopper Sparrow, 4**; Lark Sparrow, 6; Rufous-crowned Sparrow, 9; Sage Sparrow, 9; Oregon Junco, 11; Chipping Sparrow, 10; White-crowned Sparrow, **920**; Golden-crowned Sparrow, 6; Fox Sparrow, 8; Song Sparrow, 59. **Total,** 165 species; about 50,551 individuals. (Seen in area count period: Lesser Yellow-legs, Vermilion Flycatcher, Pine Siskin.) [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.]—George C. Anderson, Jr., Agnes Behrens, John Bishop, Marilyn Bishop, Ethel Brown, Richard McPike Brown, Thomas Brown, James E. Crouch (compiler), Anne Verne Fuller, Leon L. Gardner, Isla M. Hanson, H. T. Harvey, Maureen Heraty, Sam Hinton, Irene B. Hochberg, Carl L. Hubbs, Bruce R. Kern, Robert Mallette, Arthur Morley, Sr., Arthur Morley, Jr., Jean Morley, Lily Morley, Andrew C. Olson, Jr., Harriet Popejoy, Ethelwyn H. Putnam, W. L. Putnam, Lois E. Robbins, Jordon S. Roux, John Salyer, James Sams, Carl E. Trowbridge, Margaret Van Wert, Olive Wilkowske, Richard E. Woodard (San Diego Audubon Society, San Diego State College).

559. San Fernando Valley, Calif. (15-mile diameter circle reaching from Mulholland Drive on Santa Monica Mts. into Santa Susanna Mts., and from Chatsworth Reservoir to Hansen Dam; ponds and reservoirs 30%, chaparral hills 30%, oak woodland 20%, roadside and suburban 20%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Scattered clouds; temp. 44° to 78°. Fifteen observers in 4 parties. Total party-hours, 34 (18 on foot, 16 by car); total party-miles, 80 (35 on foot, 45 by car). Eared Grebe, 3; Western Grebe, 4; Pied-billed Grebe, 25; Double-crested Cormorant, 14; Great Blue Heron, 5; Am. Egret, 7; Black-crowned Night Heron, 10; Canada Goose, 112; Snow Goose, 1; Mallard, 143; Gadwall, 14; Am. Widgeon, 26; Shoveller, 14; Ring-necked Duck, 1; Canvas-back, 8; Lesser Scaup, 100; Buffle-head, 1; Ruddy Duck, 175; Red-breasted Merganser, 1; Turkey Vulture, 1; White-tailed Kite, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 9; Marsh Hawk, 1; Sparrow Hawk, 20; California Quail, 15; Ring-necked Pheasant, 3; Am. Coot, 700; Ringed Plover, 4; Killdeer, 111; Hudsonian Curlew, 1; Spotted Sandpiper, 1; Least Sandpiper, 35; California Gull, 46; Ring-billed Gull, 50; Mourning Dove, 80; Spotted Dove, 2; Roadrunner, 3; Anna's Hummingbird, 21; Belted Kingfisher, 1; Red-shafted Flicker, 32; Acorn Woodpecker, 18; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Cassin's Kingbird, 3; Black Phoebe, 6; Say's Phoebe, 44; Horned Lark, 15; Scrub Jay, 78; Common Raven, 1; Am. Crow, 400; Mountain Chickadee, 1; Plain Titmouse, 22; Common Bushtit, 57; Wrentit, 8; Bewick's Wren, 22; Rock Wren, 5; Mockingbird, 32; California Thrasher, 22; Am. Robin, 835; Hermit Thrush, 35; Western Bluebird, 20; Blue-gray Gnatcatcher, 15; Ruby-crowned Kinglet, 23; Water Pipit, 200; Cedar Waxwing, 28; Loggerhead Shrike, 27; Orange-crowned Warbler, 1; Audubon's Warbler, 301; House Sparrow, 145; Western Meadowlark, 146; Red-winged Blackbird, 380; Brewer's Blackbird, 273; Purple Finch, 4; House Finch, 1037; Am. Goldfinch, 8; Lesser Goldfinch, 40; Spotted Towhee, 25; Brown Towhee, 72; Savannah Sparrow, 7; Lark Sparrow, 95; Rufous-crowned Sparrow, 1; Oregon Junco, 227; Chipping Sparrow, 30; White-crowned Sparrow, 204; Golden-crowned Sparrow, 12; Song Sparrow, 23. **Total,** 88 species; about 6762 individuals.—Clara Anderson, Harry Anderson, Helen Cameron, Robert Knowlton, William Lofthouse, Helen Pratt (compiler), Florence Reed, Mr. and Mrs. Richard Starr, Phil and Frances Strobridge, Mr. and Mrs. Max Thompson, William Webb, Clara Weedmark, Aldine Metzler (Calif. Audubon Society).

560. San Francisco, Cal. (Marina, Lincoln Park, Twin Peaks, Sutro Forest, Land's End, Golden Gate Park, Stern Grove, Treasure Island, Goat Island, San Francisco bayshore, Pacific Ocean Beach, Lake Merced, Fleishhacker area, Marin shoreline, McLaren Park, 6 smaller city parks).—Dec. 22; 8 a.m. to 4 p.m. Clear; temp. 48° to 52°; wind N, 6 m.p.h. Thirty-eight observers in 14 parties. Total party-hours, 113 (75 on foot, 38 by car); total party-miles, 173 (52 on foot, 121 by car). Common Loon, 3; Arctic Loon, 6; Red-throated Loon, 31; Red-necked Grebe, 1; Horned Grebe, 29; Eared Grebe, 37; Western Grebe, 1239; Pied-billed Grebe, 78; White Pelican, 30; Brown Pelican, 16; Double-crested Cormorant, 255; Brandt's Cormorant, 191; Pelagic Cormorant, 59; Great Blue Heron, 4; Am. Egret, 1; Snowy Egret, 1; Green Heron, 1; Black-crowned Night Heron, 2; Whistling Swan, 1; Mallard, 666; Am. Widgeon, 673; Pintail, 26; Green-winged Teal, 1; Shoveller, 22; Redhead, 1; Ring-necked Duck, 2; Canvas-back, 63; Greater Scaup, 80; Lesser Scaup, 46; Am. Golden-eye, 3; Buffle-head, 2; Old-squaw, 2; White-winged Scoter, 11; Surf Scoter, 142; Ruddy Duck, 420; Red-breasted Merganser, 5; duck (sp.), 100; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Sparrow Hawk, 26; California Quail, 173; Florida Gallinule, 1; Am. Coot, 1127; Killdeer, 111; Ruddy Turnstone, 2; Black Turnstone, 16; Spotted Sandpiper, 1; Wandering Tattler, 4; Willet, 86; Western Sandpiper, 200; Marbled Godwit, 6; Sanderling, 617; Am. Avocet, 9; Glaucous-winged Gull, 259; Western Gull, 545; Herring Gull, 85; California Gull, 1710; Ring-billed Gull, 461; Short-billed Gull, 1311; Bonaparte's Gull, 60; Heermann's Gull, 25; gull (sp.), 790; Common Murre, 4; Ancient Murrelet, 1; Band-tailed Pigeon, 100; Mourning Dove, 140; Horned Owl, 1; Allen's Hummingbird, 1; Anna's Hummingbird, 138; Belted Kingfisher, 2;

Red-shafted Flicker, 97; Acorn Woodpecker, 3; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 10; Black Phoebe, 34; Say's Phoebe, 1; Horned Lark, 8; Scrub Jay, 11; Common Raven, 6; Chestnut-backed Chickadee, 90; Common Bushtit, 123; Red-breasted Nuthatch, 32; Brown Creeper, 11; Wren-tit, 1; Winter Wren, 8; Bewick's Wren, 6; Long-billed Marsh Wren, 2; Mockingbird, 1; Am. Robin, 859; Varied Thrush, 30; Hermit Thrush, 60; Western Bluebird, 2; Ruby-crowned Kinglet, 77; Water Pipit, 103; Cedar Waxwing, 14; Loggerhead Shrike, 6; Hutton's Vireo, 10; Myrtle Warbler, 2; Audubon's Warbler, 202; Townsend's Warbler, 3; Common Yellowthroat, 12; House Sparrow, 602; Western Meadowlark, 153; Brewer's Blackbird, 1037; Purple Finch, 2; House Finch, 526; Pine Siskin, 44; Lesser Goldfinch, 3; Spotted Towhee, 29; Oregon Junco, 423; White-crowned Sparrow, 794; Golden-crowned Sparrow, 117; White-throated Sparrow, 1; Fox Sparrow, 152; Song Sparrow, 73. **Total,** 115 species; about 18,059 individuals.—L. Abbott, A. Boles, S. Bozant, M. J. Browne, R. R. Chase, J. T. Hedgpeth, E. Hevel, C. T. Hines, E. M. Land, L. R. Leinbach, M. B. Leinbach, D. Lindsey, J. Lindsey, D. McCarroll, D. McCarthy, N. Mestechin, A. H. Myer (compiler), G. Newman, H. G. Peterson, A. Pierson, F. Plymell, C. Sather, J. Saunders, F. A. Scott, E. A. Sibley, Mrs. Sibley, P. Silva, L. P. Smith, Mrs. L. P. Smith, J. Stallcup, L. Stallcup, R. Trejillo, E. Van Scyoc, M. Van Scyoc, P. A. Veitch, F. L. Walcott, B. Wallace, F. Zografos (Golden Gate Audubon Society).

561. San Jose, Calif. (7½-mile radius centering at Capitol Ave. and Maybury Rd.; grassland and pasture 22%, deciduous orchard 18%, canyon stream 12%, salt-water marsh 10%, fresh-water reservoirs 7%, chaparral 7%, formal parks 7%, oak woodland 6%, town suburbs 5%, cultivated croplands 4%, fresh-water marsh 2%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Low overcast and fog; temp. 50° to 57°; wind SW, 0-5 m.p.h.; all habitats in normal winter condition, precipitation near normal. Thirty-four observers in 12 parties. Total party-hours, 81 (36 on foot, 45 by car); total party-miles, 464 (37 on foot, 427 by car). Eared Grebe, 201; Pied-billed Grebe, 7; Great Blue Heron, 4; Am. Egret, 10; Snowy Egret, 2; Canada Goose, 188; Mallard, 14; Am. Widgeon, 13; Pintail, 70; Shoveller, 447; Wood Duck, **42**; Ring-necked Duck, 12; Canvas-back, 7; Lesser Scaup, 22; Am. Golden-eye, 1; Ruddy Duck, 1128; Am. Merganser, 12; Red-breasted Merganser, 3; Turkey Vulture, 1; White-tailed Kite, 10; Sharp-shinned Hawk, 5; Red-tailed Hawk, 30; Marsh Hawk, 1; Sparrow Hawk, 111; California Quail, 155; Ring-necked Pheasant, 3; Clapper Rail, 1; Florida Gallinule, 1; Am. Coot, 985; Ringed Plover, 1; Killdeer, 137; Black-bellied Plover, 2; Wilson's Snipe, 2; Long-billed Curlew, 69; Willet, 92; Greater Yellowlegs, 15; Least Sandpiper, 126; Red-backed Sandpiper, 176; Eastern Dowitcher, 377; Western Sandpiper, 110; Marbled Godwit, 30; Am Avocet, 113; sandpiper (sp.), 50; Glaucous-winged Gull, 25; Herring Gull, 1077; California Gull, 381; Ring-billed Gull, 2869; Bonaparte's Gull, 378; gull (sp.), 2845; Band-tailed Pigeon, 166; Mourning Dove, 65; Horned Owl, 1; Burrowing Owl, 4; White-throated Swift, 45; Anna's Hummingbird, 11; Belted Kingfisher, 4; Red-shafted Flicker, 103; Acorn Woodpecker, 59; **Lewis's Woodpecker, 2**; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 4; Downy Woodpecker, 5; Nuttall's Woodpecker, 9; Black Phoebe, 23; Say's Phoebe, 16; Horned Lark, 73; Steller's Jay, 51; Scrub Jay, 159; Yellow-billed Magpie, 116; Am. Crow, 69; Chestnut-backed Chickadee, 97; Plain Titmouse, 72; Common Bushtit, 237; White-breasted Nuthatch, 8; Brown Creeper, 2; Wren-tit, 10; **Am. Dipper, 1**; House Wren, 1; Winter Wren, 1; Bewick's Wren, 12; Cañon Wren, 4; Rock Wren, 1; Mockingbird, **117**; California Thrasher, 15; Am. Robin, 2717; Varied Thrush, 48; Hermit Thrush, **99**; Western Bluebird, 124; Ruby-crowned Kinglet, 74; Water Pipit, 57; Cedar Waxwing, 353; Loggerhead Shrike, 90; Hutton's Vireo, 6; **Myrtle Warbler, 1**; Audubon's Warbler, 460; House Sparrow, 900; Western Meadowlark, 811; Red-winged Blackbird, 3986; Brewer's Blackbird, 13,016; Brown-headed Cowbird, 126; Purple Finch, 43; House Finch, 1940; Am. Goldfinch, 102; Lesser Goldfinch, 1042; Lawrence's Goldfinch, 50; Spotted Towhee, 41; Brown Towhee, 186; Savannah Sparrow, 184; Lark Sparrow, 227; Rufous-crowned Sparrow, 5; Oregon Junco, 566; **Harris's Sparrow, 1** (L.R.M.); White-crowned Sparrow, 2612; Golden-crowned Sparrow, 1629; Fox Sparrow, 3; Lincoln's Sparrow, 1; Song Sparrow, 74. **Total,** 115 species (1 additional subspecies); about 45,512 individuals. (Seen count period: Golden Eagle, Barn Owl, Poor-will.)—Mrs. Lester Brubaker, Mr. and Mrs. Lloyd Case, B. N. Dickinson, Florence Durfee, Francis Gorai, D. Gossard, Philip Haims, Elsie Hoeck, Mrs. C. Kavis, Mark Massie, Bill Mewaldt, L. R. Mewaldt (compiler), Eva McRae, Esther Ollis, Anna Peterson, Homer Peterson, James Purinton, Mrs. James Ramsey, Lynn Robbins, Les Sleeper, Nell Sleeper, Emily Smith, Mrs. I. Snow, Emmanuel Taylor, Mary Taylor, Jane Todd, John Todd, Henry Weston, Robert Wood, Albert Wool, Ernest Woon, Mr. and Mrs. Charles Zwaal (Santa Clara Valley Audubon Society).

562. Santa Cruz, Calif. (7½-mile radius of Santa Cruz; wooded mountain and foothill country, woodland streams, open fields, farmlands, wharfs, salt-water lagoons, 3½ miles of beach).—Dec. 28; 6:30 a.m. to 3:30 p.m. Mostly overcast; temp. 42° to 58°; no wind. Twelve observers in 4 parties. Total party-hours, 71 (63 on foot, 8 by car); total party-miles, 123 (48 on foot, 75 by car). Common Loon, 3; Red-throated Loon, 5; Horned Grebe, 9; Eared Grebe, 25; Western Grebe, 42; Brown Pelican, 5; Double-crested Cormorant, 3; Brandt's Cormorant, 22; Snowy Egret, 1; Black-crowned Night Heron, 2; White-fronted Goose, 1; Mallard, 182; Am. Widgeon, 2; Pintail, 25; Shoveller, 37; Wood Duck, 50; Greater Scaup, 10; Buffle-head, 35; Surf Scoter, 675; Ruddy Duck, 65; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 3; California Quail, 43; Am. Coot, 103; Ringed Plover, 4; Killdeer, 7; Black Turnstone,

7; Wilson's Snipe, 4; Hudsonian Curlew, 6; Willet, 320; Greater Yellow-legs, 1; Least Sandpiper, 20; Marbled Godwit, 43; Sanderling, 505; Glaucous-winged Gull, 1; Western Gull, 205; Herring Gull, 2; California Gull, 6; Ring-billed Gull, 541; Short-billed Gull, 20; Heermann's Gull, 75; Mourning Dove, 7; Anna's Hummingbird, 11; Belted Kingfisher, 1; Red-shafted Flicker, 18; Acorn Woodpecker, 19; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 6; Black Phoebe, 6; Steller's Jay, 11; Scrub Jay, 21; Chestnut-backed Chickadee, 48; Plain Titmouse, 14; Common Bushtit, 67; White-breasted Nuthatch, 1; Pygmy Nuthatch, 20; Brown Creeper, 2; Wren-tit, 13; House Wren, 1; Bewick's Wren, 7; Mockingbird, 4; Am. Robin, 151; Varied Thrush, 63; Hermit Thrush, 35; Western Bluebird, 6; Ruby-crowned Kinglet, 28; **Hermit Warbler, 2** (carefully identified at 20 ft.); Myrtle Warbler, 2; Audubon's Warbler, 36; Townsend's Warbler, 2; House Sparrow, 21; Western Meadowlark, 50; Red-winged Blackbird, 2; Brewer's Blackbird, 154; Purple Finch, 10; House Finch, 35; Pine Siskin, 195; Am. Goldfinch, 5; Lesser Goldfinch, 50; Spotted Towhee, 12; Brown Towhee, 65; Oregon Junco, 285; White-crowned Sparrow, 71; Golden-crowned Sparrow, 202; Fox Sparrow, 2; Lincoln's Sparrow, 1; Song Sparrow, 17. **Total,** 89 species; about 4904 individuals.—Charles Anderson, Viola Anderson, Carol Barrington (compiler), Doris Blakeslee, Florence Haas, Jessie Hooper, Leavitt McQueston, Grace McQueston, Stanley Mythaler, Elaine Reinelt, Harry Smith, Mabel Terry (Santa Cruz Bird Club).

563. **Tomales Bay, Calif.** (7½-mile radius centering ½ mile NW of Marshall, including Tomales Point, Dillon's Beach, Chileno and Stemple Creek Valleys, Tomales Bay State Park, Inverness Ridge, Schooner Bay, Abbott's Lagoon; ocean, beach, rocky shore 12%, mudflats 10%, bays 23%, salt marsh 3%, fresh-water ponds and marsh 9%, coniferous forest 18%, deciduous woodland 8%, open fields 12%, brush 5%).—Jan. 1; 3:30 a.m. to 5:30 p.m. Cloudy, rain from 11 a.m. on; temp. 46° to 50°; wind SE, 5-30 m.p.h.; precipitation above normal previous 2 months. Thirty-eight observers in 15 parties. Total party-hours, 138 (92 on foot, 46 by car); total party-miles, 378 (90 on foot, 288 by car). Common Loon, **106**; Arctic Loon, **644**; Red-throated Loon, **477**; Red-necked Grebe, **10**; Horned Grebe, 217; Eared Grebe, 176; Western Grebe, 648; Pied-billed Grebe, 32; White Pelican, 80; Brown Pelican, **468**; Double-crested Cormorant, 230; Brandt's Cormorant, 4416; Pelagic Cormorant, 36; Great Blue Heron, 27; Am. Egret, 16; Snowy Egret, 16; Black-crowned Night Heron, 68; Canada Goose, 2; Black Brant, 1131; Mallard, 129; Gadwall, 5; Am. Widgeon, 150; Pintail, 898; Green-winged Teal, 16; Shoveller, 4; **Wood Duck, 1**; Redhead, 18; **Ring-necked Duck,** 1 (pair day before); Canvas-back, 419; Greater Scaup, 623; Lesser Scaup, 549; Am. Golden-eye, 85; Buffle-head, **704**; Old-squaw, 1; Harlequin Duck, 9; White-winged Scoter, 128; Surf Scoter, 1935; Am. Scoter, 21; Ruddy Duck, 4172; Am. Merganser, 1; Red-breasted Merganser, 25; Turkey Vulture, 106; Sharp-shinned Hawk, 6; Cooper's Hawk, 5; Red-tailed Hawk, 53; Red-shouldered Hawk, 1; Marsh Hawk, 9; Peregrine Falcon, 4; Pigeon Hawk, 1; Sparrow Hawk, 127; California Quail, 92; Ring-necked Pheasant, 3; Virginia Rail, 4; Sora, 3; Am. Coot, 3659; Black Oyster-catcher, 9; Snowy Plover, **88**; Killdeer, 103; Black-bellied Plover, 32; Surf-bird, 5; Ruddy Turnstone, 1; Black Turnstone, 77; Wilson's Snipe, 119; Long-billed Curlew, 1; Spotted Sandpiper, 2; Willet, 151; Greater Yellow-legs, 10; Least Sandpiper, 147; Red-backed Sandpiper, 2547; dowitcher (sp.), 3; Western Sandpiper, 2415; Marbled Godwit, 105; Sanderling, 286; Am. Avocet, 21; Glaucous-winged Gull, 311; Western Gull, 620; Herring Gull, 211; California Gull, 105; Ring-billed Gull, 382; Short-billed Gull, 186; Bonaparte's Gull, 20; Heermann's Gull, 51; Common Murre, 2; Pigeon Guillemot, 26; Ancient Murrelet, 1; Band-tailed Pigeon, 193; Mourning Dove, 15; Barn Owl, 2; Horned Owl, 8; Pygmy Owl, 1; Burrowing Owl, 2; Saw-whet Owl, 2; Anna's Hummingbird, 11; Belted Kingfisher, 22; **Yellow-shafted Flicker, 1**; Red-shafted Flicker, 164; Acorn Woodpecker, 7; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 3; Black Phoebe, 92; Say's Phoebe, 19; Horned Lark, 27; Tree Swallow, 1; Steller's Jay, 26; Scrub Jay, 133; Common Raven, 55; Am. Crow, 185; Chestnut-backed Chickadee, 108; Plain Titmouse, 1; Common Bushtit, 106; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Pygmy Nuthatch, 55; Brown Creeper, 6; Wren-tit, 95; Winter Wren, 23; Bewick's Wren, 17; Long-billed Marsh Wren, 29; Am. Robin, 4018; Varied Thrush, **197**; Hermit Thrush, 51; Western Bluebird, 163; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 112; Water Pipit, 90; Cedar Waxwing, 41; Loggerhead Shrike, 29; Common Starling, **2586**; Hutton's Vireo, 4; Orange-crowned Warbler, 3; Myrtle Warbler, 31; Audubon's Warbler, 364; Townsend's Warbler, 14; Common Yellowthroat, 3; House Sparrow, 147; Western Meadowlark, 1225; Red-winged Blackbird, 1018; Tricolored Blackbird, 46; Brewer's Blackbird, 2357; Brown-headed Cowbird, 17; Purple Finch, 26; House Finch, 361; Pine Siskin, **1187**; Lesser Goldfinch, 30; Spotted Towhee, 38; Brown Towhee, 84; Savannah Sparrow, 26; Oregon Junco, 407; White-crowned Sparrow, 834; Golden-crowned Sparrow, 210; **White-throated Sparrow, 2**; Fox Sparrow, 49; Lincoln's Sparrow, 1; Song Sparrow, 176. **Total,** 155 species; about 48,182 individuals. (Seen count period: Whistling Swan, Hooded Merganser, Osprey, Mountain Bluebird.) [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.]—Betty Adamson, Harry Adamson, William Berger, Howard Cogswell, Alan Craig (compiler), Jean Craig, A. Laurence Curl, Hallie Curl, Brian Daly, George Fisher, Tom Grimes, Charles Hines, Leslie Hood, Isabel Hood, Phyllis Lindley, Dorcas MacClintock, R. G. McCaskie, Grace Miller, George Millikan, Paul Opler, Betty Orians, Gordon Orians, Mike Parmeter, Harold Peterson, Margaret Peterson, Stan Picher, John Ralph, Richard Stallcup, Bruce Towle, Pat Triggs, Peter Veitch, John Ward, Bob Wellings.

564. Tule Lake National Wildlife Refuge, Calif. (within 15-mile diameter circle; Lower Klamath Refuge portion omitted this year; marsh and open water 33%, fields 47%, grass and sagebrush upland 19%, willow-edge and scattered juniper 1%).—Dec. 30; 7:30 a.m. to 5:15 p.m. Clear; temp. 13° to 36°; wind N, 0-5 m.p.h.; water frozen except for openings maintained by waterfowl activity. Five observers in 2 parties. Total party-hours, 14 (2 on foot, 12 by car); total party-miles, 49 (4 on foot, 45 by car). Eared Grebe, 375; Western Grebe, 59; Pied-billed Grebe, 26; **White Pelican, 1**; Great Blue Heron, 6; Am. Egret, 44; Whistling Swan, 4509; Canada Goose, 451; White-fronted Goose, 2890; Snow Goose, 398; Mallard, 9830; Gadwall, 83; Am. Widgeon, 8170; Pintail, 1750; Green-winged Teal, 111; Shoveller, 840; Redhead, 69; Ring-necked Duck, 620; Canvasback, 5700; Lesser Scaup, 3228; Am. Golden-eye, 75; Buffle-head, 474; Ruddy Duck, 5810; Hooded Merganser, 44; Am. Merganser, 51; Red-tailed Hawk, 9; **Swainson's Hawk, 1**; Rough-legged Hawk, 2; Golden Eagle, 1; Bald Eagle, 5; Marsh Hawk, 47; Prairie Falcon, 1; Sparrow Hawk, 6; Rock Partridge, 29; California Quail, 211; Ring-necked Pheasant, 390; Am. Coot, 3030; Killdeer, 10; Ring-billed Gull, 349; Barn Owl, 1; Horned Owl, 1; Red-shafted Flicker, 3; Am. Magpie, 4; Long-billed Marsh Wren, 2; **Cañon Wren, 2**; **Rock Wren, 5**; Am. Robin, 10; Varied Thrush, 1; Gray Shrike, 6; Common Starling, 7; House Sparrow, 40; Western Meadowlark, 18; Yellow-headed Blackbird, 1; Red-winged Blackbird, 475; Brewer's Blackbird, 126; Evening Grosbeak, 25; House Finch, 273; Am. Goldfinch, 2; Spotted Towhee, 3; Oregon Junco, 52; White-crowned Sparrow, 1; **Golden-crowned Sparrow, 4**; Song Sparrow, 205. **Total,** 63 species (1 additional subspecies); about 50,972 individuals. (Seen in area count period: Short-eared Owl, Horned Lark.)—Robert Giles, LeRoy W. Giles (compiler), J. H. Hicks, Thomas C. Horn, Thomas McCamant.

565. Yosemite National Park, Calif. (15-mile diameter primarily in canyon of Merced River, including Yosemite Valley and south rim thereof to Badger Pass and vicinity of Tempo Dome; 2000-7900 ft.; lakeshore and swamp 1%, semi-open hillsides 24%, meadows 11%, riverbanks 30%, coniferous forests 34%).—Dec. 28; 6:30 a.m. to 4:30 p.m. Clear; temp. 28° to 55°; no wind; water frozen and snow fields at higher elevations. Eighteen observers in 5 parties. Total party-hours, 47 (25 on foot, 15 by car, 7 on skis); total party-miles, 156 (19 on foot, 127 by car, 10 on skis). Great Blue Heron, 1; Cooper's Hawk, 2; Red-tailed Hawk, 7; Golden Eagle, 2; Sparrow Hawk, 2; California Quail, 5; **Spotted Sandpiper, 1** (seen several days in Dec.); Mourning Dove, 52; Pygmy Owl, 2; White-throated Swift, 10; Belted Kingfisher, 3; **Yellow-shafted Flicker, 1** (carefully identified); Red-shafted Flicker, 23; Pileated Woodpecker, 1; Acorn Woodpecker, 26; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 5; Nuttall's Woodpecker, 2; White-headed Woodpecker, 8; Black Phoebe, 9; Steller's Jay, 71; Scrub Jay, 27; Mountain Chickadee, 59; Plain Titmouse, 8; Common Bushtit, 17; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 6; Brown Creeper, 21; Wren-tit, 11; Am. Dipper, 13; House Wren, 1; Winter Wren, 2; Bewick's Wren, 2; Cañon Wren, 5; Rock Wren, 1; California Thrasher, 2; Am. Robin, 44; Varied Thrush, 26; Hermit Thrush, 6; Western Bluebird, 20; Mountain Bluebird, 15; Townsend's Solitaire, 6; Golden-crowned Kinglet, 219; Ruby-crowned Kinglet, 38; Cedar Waxwing, 18; Hutton's Vireo, 2; Audubon's Warbler, 24; House Sparrow, 21; Brewer's Blackbird, 4; Evening Grosbeak, 22; Purple Finch, 19; House Finch, 33; Pine Siskin, 69; Lesser Goldfinch, 2; Spotted Towhee, 44; Brown Towhee, 42; Lark Sparrow, 105; Rufous-crowned Sparrow, 3; Slate-colored Junco, 4; Oregon Junco, 229; White-crowned Sparrow, 6; Golden-crowned Sparrow, 58; Fox Sparrow, 2; Song Sparrow, 7. **Total,** 65 species; about 1504 individuals.—Del Armstrong, Mignon Augsbury, Bob Carpenter, Marjorie Dunmire, William Dunmire, Lydia Fatzinger, Erma Fitzpatrick, Michael Fitzpatrick, W. J. Fitzpatrick (compiler), Douglass Hubbard, Janet Hubbard, Joan Hubbard, Vergena Koller, P. R. Marshall, George Murphy, Dudley Ross, Vivian Ross, Mary Curry Tresidder.

We are sorry that the map did not allow for the plotting of areas covered by counts from Alaska and Hawaii. Should a larger number of counts be received from these regions in later years, it should allow for plotting on insert maps.

SUMMARY OF HIGHEST COUNTS OF INDIVIDUALS

by Stephen W. Simon

There were 483 species reported on the 1957 Christmas Bird Count. This is only three short of the record-breaking 1955 count that listed 486 species, making this year's count the second highest.

The five census areas with the greatest number of highest counts are the same ones as last year, but are in a different order. Coot Bay, Florida, contributed 34 high counts to the list; Cocoa, Florida, 27; Sacramento, California, 24; Laguna Atascosa, Texas, 16 and Santa Ana, Texas, 16.

Probable additions to the all-time list of species include the Crested Mynah and Bay-breasted Warbler. Entries marked [no details.—Ed.] are not included in this summary.

Common Loon, 280 (*Fla.*, Panacea); Arctic Loon, 644 (*Calif.*, Tomales Bay); Red-throated Loon, 477 (*Calif.*, Tomales Bay); Red-necked Grebe, 72 (*Coastal New Hampshire*); Horned Grebe, 1282 (*Md.*, St. Michaels); Eared Grebe, 1156 (*Calif.*, San Diego); Least Grebe, 10 (*Tex.*, Santa Ana); Western Grebe, 1239 (*Calif.*, San Francisco); Pied-billed Grebe, 186 (*Fla.*, Cocoa); White Pelican, 649 (*Tex.*, Houston); Brown Pelican, 547 (*Fla.*, Sarasota); Gannet, 600 (*N. Y.*, Montauk); European Cormorant, 259 (*Mass.*, Cape Ann); Double-crested Cormorant, 1530 (*Calif.*, San Diego); Olivaceous Cormorant, 387 (*Tex.*, Laguna Atascosa); Brandt's Cormorant, 7062 (*Calif.*, San Diego); Pelagic Cormorant, 76 (*Calif.*, Monterey); Anhinga [Water-turkey], 86 (*Fla.*, Myakka River); Magnificent Frigate-bird [Man-o'-war-bird], 77 (*Fla.*, Key Largo).

Great White Heron, 261 (*Fla.*, Coot Bay); Great Blue Heron, 213 (*Tex.*, Laguna Atascosa); Würdemann's Heron, 6 (*Fla.*, Lower Keys); Am. Egret, 704 (*Fla.*, Coot Bay); Snowy Egret, 687 (*Fla.*, Coot Bay); Reddish Egret, 419 (*Tex.*, Laguna Atascosa); Louisiana Heron, 340 (*Fla.*, Cocoa); Little Blue Heron, 533 (*Fla.*, Coot Bay); Cattle Egret, 119 (*Fla.*, West Palm Beach); Green Heron, 88 (*Fla.*, Coot Bay); Black-crowned Night Heron, 269 (*Calif.*, Crystal Springs); Yellow-crowned Night Heron, 18 (*Fla.*, Coot Bay and Myakka River); Am. Bittern, 20 (*Fla.*, Loxahatchee); Least Bittern, 42 (*Fla.*, Cocoa); Wood Ibis, 972 (*Fla.*, Coot Bay); Glossy Ibis, 240 (*Fla.*, Cocoa); White-faced Ibis, 279 (*La.*, Sabine); White Ibis, 5000 (*Fla.*, Cocoa); Roseate Spoonbill, 250 (*La.*, Sabine); Am. Flamingo, 4 (*Fla.*, Coot Bay).

Mute Swan, 98 (*R. I.*, Newport Co.); Whistling Swan, 9106 (*Md.*, St. Michaels); Canada Goose, 60,000 (*N. C.*, Mattamuskeet); Am. Brant, 100,000 (*N. J.*, Oceanville); Black Brant, 1131 (*Calif.*, Tomales Bay); White-fronted Goose, 20,457 (*Calif.*, Sacramento); Snow Goose, 56,650 (*Calif.*, Sacramento); Blue Goose, 35,000 (*La.*, Sabine); Ross's Goose, 2 (*Calif.*, Salton Sea); Mallard, 500,000 (*Ill.*, Princeton); Black Duck, 30,000 (*N. J.*, Oceanville); Mottled Duck, 377 (*Fla.*, Myakka River); Gadwall, 3000 (*N. C.*, Mattamuskeet); European Widgeon, 21 (*Calif.*, Escondido); Am. Widgeon, 43,000 (*Calif.*, Salton Sea); Pintail, 218,613 (*Calif.*, Sacramento); Green-winged Teal, 12,727 (*Utah*, Bear River); Blue-winged Teal, 985 (*Fla.*, Myakka); Cinnamon Teal, 100 (*Calif.*, Marysville); Shoveller, 15,660 (*Calif.*, Crystal Springs); Wood Duck, 216 (*Ga.*, Okefenokee); Redhead, 43,819 (*Tex.*, Laguna Atascosa); Ring-necked Duck, 4000 (*N. C.*, Mattamuskeet); Canvas-back, 30,000 (*Md.*, Ocean City); Greater Scaup, 16,558 (*Conn.*, Westport); Lesser Scaup, 10,000 (*N. C.*, Mattamuskeet); Am. Golden-eye, 13,500 (*Wis.*, Hales Corner); Barrow's Golden-eye, 637 (*B. C.*, Vancouver); Buffle-head, 880 (*Md.*, Ocean City); Old-squaw, 4850 (*N. Y.*, Rochester); Harlequin Duck, 52 (*Wash.*, Orcas Is.); Common Eider, 1850 (*Mass.*, Cape Cod); King Eider, 5 (*N. Y.*, Montauk); White-winged Scoter, 3010 (*N. Y.*, Staten Island); Surf Scoter, 8012 (*Calif.*, San Diego); Am. Scoter, 411 (*Mass.*, Cape Cod); Ruddy Duck, 15,000 (*N. C.*, Mattamuskeet); Hooded Merganser, 810 (*N. J.*, Oceanville); Am. Merganser, 2207 (*N. Y.*, Buffalo); Red-breasted Merganser, 6692 (*Va.*, Little Creek).

Turkey Vulture, 686 (*Md.*, Ocean City); Black Vulture, 475 (*Ga.*, Sherwood); White-tailed Kite, 28 (*Calif.*, Sacramento); Goshawk, 4 (*Iowa*, Cedar Falls); Sharp-shinned Hawk, 12 (*Fla.*, Cocoa); Cooper's Hawk, 12 (*Calif.*, Sacramento); Red-tailed Hawk, 104 (*Oreg.*, Fort Klamath); Harlan's Hawk, 5 (*Tex.*, Fort Worth); Red-shouldered Hawk, 65 (*Fla.*, Coot Bay); Broad-winged Hawk, 11 (*Fla.*, Coot Bay); Swainson's Hawk, 4 (*Tex.*, Laguna Atascosa); White-tailed Hawk, 8 (*Tex.*, Laguna Atascosa); Short-tailed Hawk, 4 (*Fla.*, Coot Bay); Rough-legged Hawk, 62 (*Oreg.*, Fort Klamath; *Calif.*, Sacramento); Ferruginous Hawk, 3 (*Tex.*, Midland and Muleshoe); Harris's Hawk, 93 (*Tex.*, Laguna Atascosa); Mexican Black Hawk, 1 (*Tex.*, Eagle Pass); Golden Eagle, 9 (*Wyo.*, Casper); Bald Eagle, 50 (*Iowa*, Clinton); Marsh Hawk, 84 (*Calif.*, Sacramento); Osprey, 101 (*Fla.*, Coot Bay); Audubon's Caracara, 53 (*Tex.*, Laguna Atascosa); Gyrfalcon, 1 (*Mont.*, Helena); Prairie Falcon, 3 (*Colo.*, Jefferson Co. and Monte Vista; *Idaho*, Nampa); Peregrine Falcon, 11 (*Fla.*, Coot Bay); Pigeon Hawk, 6 (*Calif.*, Los Angeles); Sparrow Hawk, 494 (*Calif.*, Sacramento).

Chachalaca, 38 (*Tex.*, Santa Ana); Blue Grouse, 1 (*Wyo.*, Casper; *Wash.*, Spokane); Ruffed Grouse, 21 (*Conn.*, Storrs); Willow Ptarmigan, 3 (*Man.*, Cranberry Portage); Greater Prairie Chicken, 15 (*Okla.*, Fort Gibson); Sharp-tailed Grouse, 93 (*N. Dak.*, Des Lacs); Sage Hen, 11 (*Mont.*, Billings); European Partridge, 85 (*N. Dak.*, Des Lacs); Rock Partridge, 29 (*Calif.*, Tule Lake); Bob-white, 251 (*Md.*, St. Michaels); Scaled Quail, 157 (*Tex.*, Muleshoe); California Quail, 595 (*Calif.*, Sacramento);

Gambel's Quail, 305 (*Calif.*, Salton Sea); Mountain Quail, 6 (*Calif.*, Orange Co.); Ring-necked Pheasant, 1108 (*Iowa*, Union Slough); Turkey, 183 (*Fla.*, Myakka River); Whooping Crane, 26 (*Tex.*, Aransas); Sandhill Crane, 55,000 (*Tex.*, Muleshoe); Limpkin, 7 (*Fla.*, Loxahatchee); King Rail, 62 (*Fla.*, Cocoa); Clapper Rail, 93 (*Fla.*, Jacksonville); Virginia Rail, 28 (*Va.*, Chincoteague); Sora, 220 (*Fla.*, Cocoa); Black Rail, 1 (*Fla.*, Titusville); Purple Gallinule, 1 (*Fla.*, Cocoa); Florida Gallinule, 100 (*Fla.*, Gainsville); Am. Coot, 12,490 (*Calif.*, Marysville); Jacana, 1 (*Tex.*, Santa Ana).

Am. Oyster-catcher, 68 (*S. C.*, Charleston); Black Oyster-catcher, 23 (*Calif.*, Monterey); Piping Plover, 117 (*Ala.*, Dauphin Is.); Snowy Plover, 198 (*Calif.*, Orange Co., Cent.); Ringed Plover, 179 (*Fla.*, Coot Bay); Wilson's Plover, 43 (*Fla.*, Lower Keys); Mountain Plover, 1156 (*Calif.*, Orange Co., Cent.); Killdeer, 1000 (*Oreg.*, Eugene); Black-bellied Plover, 775 (*Calif.*, Oakland); Surf-bird, 43 (*Calif.*, Los Angeles); Ruddy Turnstone, 164 (*Fla.*, Fort Pierce); Black Turnstone, 131 (*B. C.*, Vancouver); Am. Woodcock, 18 (*Md.*, Ocean City); Wilson's Snipe, 141 (*La.*, Shreveport); Long-billed Curlew, 1255 (*Tex.*, Laguna Atascosa); Hudsonian Curlew, 180 (*Calif.*, Salton Sea); Spotted Sandpiper, 38 (*Fla.*, Coot Bay); Solitary Sandpiper, 2 (*Tex.*, Santa Ana); Wandering Tattler, 4 (*Calif.*, San Francisco); Willet, 1897 (*Calif.*, Los Angeles); Greater Yellow-legs, 67 (*Fla.*, Cocoa); Lesser Yellow-legs, 78 (*La.*, Sabine); Red Knot, 150 (*Fla.*, Key Largo); Purple Sandpiper, 200 (*Me.*, Mt. Desert Is.); Pectoral Sandpiper, 1 (*Fla.*, Coot Bay; *Ariz.*, Imperial); White-rumped Sandpiper, 1 (*Wash.*, Olympia); Baird's Sandpiper, 1 (*Tex.*, Laguna Atascosa); Least Sandpiper, 3512 (*Calif.*, Salton Sea); Red-backed Sandpiper, 4209 (*Calif.*, Oakland); Dowitcher, 704 (*Calif.*, Salton Sea); Stilt Sandpiper, 14 (*Tex.*, Laguna Atascosa); Semipalmated Sandpiper, 5025 (*Fla.*, Coot Bay); Western Sandpiper, 4566 (*Calif.*, Oakland); Marbled Godwit, 1488 (*Calif.*, San Diego); Sanderling, 1156 (*Md.*, Ocean City); Am. Avocet, 1491 (*Calif.*, Oakland); Black-necked Stilt, 40 (*Calif.*, San Diego); Red Phalarope, 803 (*Calif.*, San Diego); Northern Phalarope, 24 (*Calif.*, San Diego); Pomarine Jaeger, 2 (*Fla.*, Atlantic Ocean); Parasitic Jaeger, 6 (*Fla.*, Atlantic Ocean).

Glaucous Gull, 21 (*Ont.*, Kingston); Iceland Gull, 7 (*Que.*, Montreal); Glaucous-winged Gull, 15,231 (*B. C.*, Vancouver); Great Black-backed Gull, 984 (*N. Y.*, Brooklyn); Western Gull, 1199 (*Calif.*, San Diego); Herring Gull, 70,785 (*N. Y.*, Staten Island); California Gull, 1710 (*Calif.*, San Francisco); Ring-billed Gull, 9000 (*Okla.*, Salt Plains); Short-billed Gull, 5380 (*B. C.*, Vancouver); Black-headed Gull, 141 (*Nova Scotia*, Cole Harbour); Laughing Gull, 729 (*Fla.*, St. Petersburg); Franklin's Gull, 1 (*Fla.*, Coot Bay; *Ky.*, Louisville; *Okla.*, Oklahoma City; *Tex.*, Laguna Atascosa); Bonaparte's Gull, 1933 (*N. Y.*, Manhattan); Heermann's Gull, 231 (*Calif.*, San Diego); Black-legged Kittiwake, 1236 (*Mass.*, Cape Cod); Gull-billed Tern, 124 (*Tex.*, Laguna Atascosa); Forster's Tern, 325 (*Fla.*, Cocoa); Common Tern, 30 (*Tex.*, Houston); Royal Tern, 500 (*Fla.*, Cocoa); Cabot's Tern, 8 (*Fla.*, Coot Bay); Caspian Tern, 200 (*Ala.*, Dauphin Is.); Black Skimmer, 1000 (*Fla.*, Daytona); Razor-billed Auk, 57 (*Mass.*, Cape Ann); Common Murre, 160 (*B. C.*, Ladner); Brünnich's Murre, 3 (*Mass.*, Marshfield); Dovekie, 3018 (*Mass.*, Cape Ann); Black Guillemot, 12 (*Me.*, Pemaquid); Pigeon Guillemot, 36 (*B. C.*, Vancouver); Marbled Murrelet, 91 (*B. C.*, Vancouver); Ancient Murrelet, 2 (*B. C.*, Vancouver); Cassin's Auklet, 1 (*Calif.*, Los Angeles); Rhinoceros Auklet, 24 (*Wash.*, Seattle).

White-crowned Pigeon, 3 (*Fla.*, Key Largo); Band-tailed Pigeon, 193 (*Calif.*, Tomales Bay); Mourning Dove, 2861 (*Ariz.*, Phoenix); Spotted Dove, 176 (*Calif.*, Pasadena); Ringed Turtle Dove, 83 (*Calif.*, Los Angeles); White-winged Dove, 3 (*Fla.*, Coot Bay); Ground Dove, 171 (*Tex.*, Alice); Inca Dove, 161 (*Ariz.*, Phoenix); White-fronted Dove, 36 (*Tex.*, Santa Ana); Yellow-billed Cuckoo, 1 (*Tex.*, Santa Ana); Road-runner, 19 (*Ariz.*, Phoenix); Smooth-billed Ani, 2 (*Fla.*, Key Largo); Groove-billed Ani, 2 (*Tex.*, Houston); Barn Owl, 18 (*Calif.*, Sacramento); Screech Owl, 39 (*Pa.*, Glenolden); Horned Owl, 47 (*Md.*, So. Dorchester Co.); Snowy Owl, 15 (*S. Dak.*, Sand Lake); Pygmy Owl, 2 (*Oreg.*, Eugene; *Calif.*, Yosemite); Burrowing Owl, 17 (*Calif.*, Sacramento); Barred Owl, 14 (*Ohio*, Cincinnati); Long-eared Owl, 30 (*Ont.*, Hamilton); Short-eared Owl, 21 (*Ont.*, West Elgin); Richardson's Owl, 1 (*Alta.*, Edmonton; *Minn.*, Duluth); Saw-whet Owl, 3 (*Calif.*, Oakland).

Chuck-will's-widow, 1 (*Fla.*, Coot Bay and Key West); Poor-will, 23 (*Calif.*, Orange Co., N. E.); Whip-poor-will, 3 (*Ala.*, Dauphin Is.); Pauraque, 9 (*Tex.*, Santa Ana); Common Nighthawk, 3 (*Tenn.*, Cookeville); White-throated Swift, 199 (*Calif.*, Los Angeles); Ruby-throated Hummingbird, 7 (*Fla.*, Key Largo); Black-chinned Hummingbird, 13 (*Calif.*, Pasadena); Costa's Hummingbird, 9 (*Ariz.*, Sierra Pinta); Anna's Hummingbird, 269 (*Calif.*, Orange Co., N. E.); Allen's Hummingbird, 1 (*Calif.*, San Francisco); Rufous Hummingbird, 1 (*La.*, New Orleans; *Tex.*, Galveston Is.); Belted Kingfisher, 132 (*Fla.*, Cocoa).

Yellow-shafted Flicker, 165 (*Md.*, Ocean City); Red-shafted Flicker, 736 (*Calif.*, Sacramento); Gilded Flicker, 11 (*Ariz.*, Santa Catalina Mts.); Pileated Woodpecker, 26 (*Fla.*, Cocoa); Red-bellied Woodpecker, 238 (*Mo.*, Weldon Springs); Golden-fronted Woodpecker, 42 (*Tex.*, Santa Ana); Gila Woodpecker, 83 (*Ariz.*, Phoenix); Red-headed Woodpecker, 75 (*Ohio*, Cincinnati); Acorn Woodpecker, 710 (*Calif.*, Orange Co., N. E.); Lewis's Woodpecker, 35 (*Calif.*, Redding); Yellow-bellied Sapsucker, 46 (*N. C.*, Wilmington); Williamson's Sapsucker, 7 (*N. Mex.*, Silver City); Hairy Woodpecker, 80 (*Ont.*, Hamilton); Downy Woodpecker, 450 (*Ohio*, Cincinnati); Ladder-backed Woodpecker, 59 (*Tex.*, Santa Ana); Nuttall's Woodpecker, 81 (*Calif.*, Sacramento); Arizona Woodpecker, 2 (*Ariz.*, Santa Catalina Mts.); Red-cockaded Woodpecker, 12 (*La.*, Shreveport); White-headed Woodpecker, 11 (*Calif.*, Big Bear Lake); Arctic Woodpecker, 1 (*Nova Scotia*, Cole Harbour; *Mass.*, Newburyport;

Que., Hudson Heights); Three-toed Woodpecker, 3 (*Alaska*, Cohoe).

Western Kingbird, 3 (*Fla.*, Cocoa and Key West; *Calif.*, Lodi); Cassin's Kingbird, 12 (*Calif.*, Orange Co., N. E.); Scissor-tailed Flycatcher, 5 (*Fla.*, Key Largo); Derby Flycatcher, 57 (*Tex.*, Santa Ana); Crested Flycatcher, 32 (*Fla.*, Coot Bay); Ash-throated Flycatcher, 4 (*Ariz.*, Sierra Pinta); Eastern Phoebe, 159 (*Fla.*, Cocoa); Black Phoebe, 92 (*Calif.*, Tomales Bay); Say's Phoebe, 44 (*Calif.*, San Fernando Valley); Empidonax Flycatcher, 5 (*Fla.*, Myakka River); Western Flycatcher, 1 (*Calif.*, Crystal Springs); Wood Pewee, 2 (*Tex.*, Galveston Is.); Western Wood Pewee, 1 (*Ariz.*, Phoenix); Vermilion Flycatcher, 19 (*Ariz.*, Phoenix); Beardless Flycatcher, 2 (*Ariz.*, Tucson); Horned Lark, 1000 (*Kans.*, Hays); Tree Swallow, 11,398 (*Fla.*, Myakka River); Rough-winged Swallow, 130 (*Tex.*, Del Rio); Barn Swallow, 4 (*Fla.*, Key Largo; *Tex.*, Houston); Cliff Swallow, 1 (*Tex.*, Santa Ana); Purple Martin, 1 (*Fla.*, Cocoa).

Gray Jay, 17 (*Nova Scotia*, Cole Harbour; *Ont.*, Kirkland Lake); Blue Jay, 352 (*Va.*, Blacksburg); Steller's Jay, 102 (*Calif.*, Oakland); Scrub Jay, 549 (*Calif.*, Sacramento); Arizona Jay, 37 (*Ariz.*, Santa Catalina Mts.); Green Jay, 121 (*Tex.*, Santa Ana); Am. Magpie, 430 (*Colo.*, Jefferson Co.); Yellow-billed Magpie, 2343 (*Calif.*, Sacramento); Common Raven, 150; (*N. Mex.*, Santa Fe); White-necked Raven, 151 (*Tex.*, Santa Ana); Am. Crow, 100,381 (*Ohio*, Youngstown); Northwestern Crow, 3120 (*Oreg.*, Eugene); Fish Crow, 1630 (*La.*, St. Francisville); Piñon Jay, 76 (*N. Mex.*, Santa Fe); Clark's Nutcracker, 16 (*Colo.*, Colorado Springs and Idaho Springs).

Black-capped Chickadee, 861 (*Conn.*, Westport); Carolina Chickadee, 1150 (*Ohio*, Cincinnati); Mountain Chickadee, 190 (*Calif.*, Big Bear Lake); Brown-capped Chickadee, 19 (*Nova Scotia*, Cole Harbour); Chestnut-backed Chickadee, 211 (*B. C.*, Vancouver); Tufted Titmouse, 787 (*Ohio*, Cincinnati); Black-crested Titmouse, 104 (*Tex.*, San Antonio); Plain Titmouse, 263 (*Calif.*, Orange Co. N. E.); Bridled Titmouse, 7 (*Ariz.*, Santa Catalina Mts.); Verdin, 107 (*Ariz.*, Phoenix); Common Bushtit, 774 (*Calif.*, Los Angeles); White-breasted Nuthatch, 179 (*Conn.*, Westport); Red-breasted Nuthatch, 77 (*Wash.*, Spokane); Brown-headed Nuthatch, 238 (*Md.*, St. Michaels); Pygmy Nuthatch, 388 (*Wash.*, Spokane); Brown Creeper, 32 (*Md.*, Ocean City; *Ohio*, Buckeye Lake).

Wren-tit, 493 (*Calif.*, Los Angeles); Am. Dipper, 12 (*Colo.*, Durango); House Wren, 154 (*Fla.*, Cocoa); Winter Wren, 86 (*Md.*, Ocean City); Bewick's Wren, 52 (*Calif.*, Los Angeles); Carolina Wren, 324 (*Ohio*, Cincinnati); Cactus Wren, 44 (*Ariz.*, Phoenix); Long-billed Marsh Wren, 205 (*Fla.*, Loxahatchee); Short-billed Marsh Wren, 59 (*Ala.*, Dauphin Is.); Cañon Wren, 31 (*Calif.*, Pasadena); Rock Wren, 12 (*N. Mex.*, Carlsbad Caverns); Mockingbird, 554 (*Calif.*, Los Angeles); Catbird, 111 (*Fla.*, Coot Bay); Brown Thrasher, 109 (*La.*, St. Francisville); Sennett's Thrasher, 17 (*Tex.*, Santa Ana); Bendire's Thrasher, 26 (*Ariz.*, Phoenix); Curve-billed Thrasher, 83 (*Tex.*, Laguna Atascosa); California Thrasher, 164 (*Calif.*, Los Angeles); Crissal Thrasher, 10 (*Ariz.*, Tucson); Sage Thrasher, 11 (*Ariz.*, Sierra Pinta).

Am. Robin, 20,054 (*Calif.*, Oakland); Varied Thrush, 308 (*Calif.*, Oakland); Hermit Thrush, 139 (*Calif.*, Orange Co., N. E.); Olive-backed Thrush, 9 (*Calif.*, Los Angeles); Eastern Bluebird, 293 (*Md.*, Annapolis); Western Bluebird, 370 (*Calif.*, Orange Co., N. E.); Mountain Bluebird, 293 (*Calif.*, San Bernardino); Townsend's Solitaire, 79 (*N. Mex.*, Santa Fe); Blue-gray Gnatcatcher, 375 (*Fla.*, Coot Bay); Black-tailed Gnatcatcher, 8 (*Ariz.*, Imperial); Golden-crowned Kinglet, 324 (*Wash.*, Spokane); Ruby-crowned Kinglet, 614 (*Calif.*, Sacramento); Water Pipit, 5170 (*Calif.*, Sacramento); Sprague's Pipit, 15 (*Tex.*, Denton); Bohemian Waxwing, 1283 (*Wash.*, Spokane); Cedar Waxwing, 3108 (*Calif.*, San Diego); Phainopepla, 16 (*Ariz.*, Santa Catalina Mts.); Gray Shrike, 13 (*Wash.*, Spokane); Loggerhead Shrike, 279 (*Tex.*, Houston); Common Starling, 2,925,000 (*Ky.*, Louisville); Crested Mynah, 71 (*B. C.*, Vancouver).

White-eyed Vireo, 35 (*Fla.*, Coot Bay); Hutton's Vireo, 11 (*Calif.*, Monterey); Gray Vireo, 1 (*Ariz.*, Sierra Pinta); Solitary Vireo, 10 (*Fla.*, Loxahatchee and Pensacola); Black and White Warbler, 33 (*Fla.*, Coot Bay); Orange-crowned Warbler, 78 (*Calif.*, Salton Sea); Nashville Warbler, 4 (*Calif.*, Los Angeles); Parula Warbler, 9 (*Fla.*, Coot Bay); Yellow Warbler, 1 (*Fla.*, Cocoa; *Tex.*, Houston); Cape May Warbler, 1 (*R. I.*, Newport Co.); Black-throated Blue Warbler, 2 (*Fla.*, Cocoa); Myrtle Warbler, 2950 (*N. J.*, Cape May); Audubon's Warbler, 2758 (*Calif.*, Los Angeles); Black-throated Gray Warbler, 5 (*Ariz.*, Phoenix); Townsend's Warbler, 23 (*Calif.*, Monterey); Black-throated Green Warbler, 2 (*Tex.*, Santa Ana); Hermit Warbler, 2 (*Calif.*, Santa Cruz); Blackburnian Warbler, 1 (*Tex.*, Santa Ana); Yellow-throated Warbler, 28 (*Fla.*, Cocoa); Bay-breasted Warbler, 1 (*Fla.*, Cocoa); Pine Warbler, 88 (*Fla.*, Pensacola); Prairie Warbler, 83 (*Fla.*, Coot Bay); Palm Warbler, 850 (*Fla.*, Cocoa); Oven-bird, 5 (*Fla.*, Coot Bay); Northern Water-thrush, 11 (*Fla.*, Coot Bay); Louisiana Water-thrush, 3 (*S. C.*, Charleston); Kentucky Warbler, 1 (*Tex.*, Houston); MacGillivray's Warbler, 1 (*N. Mex.*, Santa Fe); Common Yellowthroat, 251 (*Fla.*, Coot Bay); Yellow-breasted Chat, 5 (*Fla.*, Cocoa); Black-capped Warbler, 5 (*La.*, New Orleans); Am. Redstart, 2 (*Fla.*, Coot Bay).

House Sparrow, 14,265 (*Ariz.*, Phoenix); European Tree Sparrow, 7 (*Ill.*, Pere Marquette); Bobolink, 1 (*Ohio*, Ashland); Eastern Meadowlark, 2548 (*Md.*, Ocean City); Western Meadowlark, 3255 (*Calif.*, Sacramento); Yellow-headed Blackbird, 30,324 (*Ariz.*, Phoenix); Red-winged Blackbird, 8,000,000 (*Va.*, Norfolk Co.); Tricolored Blackbird, 390 (*Calif.*, Oceanside); Audubon's Oriole, 2 (*Tex.*, Eagle Pass); Hooded Oriole, 2 (*Calif.*, Orange Co., Cent.); Baltimore Oriole, 5 (*N. C.*, Chapel Hill); Bullock's Oriole, 4 (*Calif.*, Orange Co., Cent.); Alta Mira Oriole, 3 (*Tex.*, Santa Ana); Rusty Blackbird, 180,100 (*Ga.*, Rome); Brewer's Blackbird, 47,043

(*Calif.*, Sacramento); Boat-tailed Grackle, 5090 (*Tex.*, San Antonio); Purple Grackle, 2,500,000 (*Tenn.*, Memphis); Brown-headed Cowbird, 350,000 (*Tenn.*, Memphis); Bronzed Cowbird, 539 (*Tex.*, Laguna Atascosa); Western Tanager, 2 (*Calif.*, San Diego); Summer Tanager, 1 (*La.*, New Orleans; *Calif.*, Pasadena).

Cardinal, 1384 (*Ohio*, Cincinnati); Pyrrhuloxia, 100 (*Tex.*, Alice); Black-headed Grosbeak, 1 (*Ala.*, Dauphin Is.; *Calif.*, Monterey and Orange Co., N. E.); Blue Grosbeak, 1 (*Fla.*, Apalachicola); Indigo Bunting, 2 (*Fla.*, Cocoa and Coot Bay); Lazuli Bunting, 18 (*Ariz.*, Tucson); Painted Bunting, 28 (*Fla.*, Cocoa); Dickcissel, 6 (*Mass.*, Cape Cod); Evening Grosbeak, 437 (*Mass.*, Northampton); Purple Finch, 632 (*B. C.*, Vancouver); Cassin's Finch, 205 (*Colo.*, Jefferson Co.); House Finch, 5741 (*Calif.*, Orange Co., Cent.); Sharpe's Seedeater, 4 (*Tex.*, Santa Ana); Pine Grosbeak, 286 (*Minn.*, Hibbing); Gray-crowned Rosy Finch, 710 (*Wyo.*, Casper); Brown-capped Rosy Finch, 17 (*Colo.*, Idaho Springs); Hoary Redpoll, 4 (*N. Dak.*, Des Lacs); Common Redpoll, 1115 (*N. Dak.*, Des Lacs); Pine Siskin, 1390 (*Wash.*, Seattle); Am. Goldfinch, 1315 (*Va.*, Norfolk Co.); Lesser Goldfinch, 1090 (*Calif.*, Sacramento); Lawrence's Goldfinch, 50 (*Calif.*, San Jose); Red Crossbill, 117 (*Ariz.*, Prescott); White-winged Crossbill, 181 (*Wis.*, Madison).

Texas Sparrow, 7 (*Tex.*, Laguna Atascosa); Green-tailed Towhee, 26 (*Ariz.*, Tucson); Eastern Towhee, 415 (*Md.*, Ocean City); Spotted Towhee, 244 (*Calif.*, Orange Co., N. E.); Brown Towhee, 997 (*Calif.*, Orange Co., N. E.); Abert's Towhee, 50 (*Ariz.*, Phoenix); Lark Bunting, 5060 (*Tex.*, Carrizo Springs); Ipswich Sparrow, 10 (*Md.*, Ocean City); Savannah Sparrow, 1958 (*Calif.*, Sacramento); Grasshopper Sparrow, 43 (*Fla.*, Coot Bay); Baird's Sparrow, 7 (*Tex.*, Midland); Leconte's Sparrow, 70 (*Ark.*, Lonoke); Henslow's Sparrow, 7 (*N. C.*, Wilmington); Sharp-tailed Sparrow, 24 (*Ala.*, Dauphin Is.); Seaside Sparrow, 21 (*Fla.*, Pensacola); Dusky Seaside Sparrow, 18 (*Fla.*, Titusville); Vesper Sparrow, 502 (*Calif.*, Sacramento); Lark Sparrow, 1547 (*Calif.*, Orange Co., N. E.); Rufous-winged Sparrow, 2 (*Ariz.*, Tucson); Rufous-crowned Sparrow, 25 (*Calif.*, Orange Co., N. E.); Pine-woods Sparrow, 22 (*Fla.*, Cocoa); Cassin's Sparrow, 3 (*Tex.*, Midland); Black-throated Sparrow, 50 (*Tex.*, Alice); Sage Sparrow, 28 (*Ariz.*, Phoenix); White-winged Junco, 99 (*S. Dak.*, Rapid City); Slate-colored Junco, 1840 (*Md.*, St. Michaels); Oregon Junco, 4118 (*Calif.*, Sacramento); Gray-headed Junco, 212 (*Colo.*, Colorado Springs); Arizona Junco, 2 (*Ariz.*, Santa Catalina Mts.); Am. Tree Sparrow, 2090 (*Mo.*, Weldon Springs); Chipping Sparrow, 349 (*N. Mex.*, Silver City); Clay-colored Sparrow, 78 (*Tex.*, Carrizo Springs); Brewer's Sparrow, 242 (*Ariz.*, Phoenix); Field Sparrow, 881 (*Md.*, St. Michaels); Black-chinned Sparrow, 1 (*Tex.*, El Paso); Harris's Sparrow, 672 (*Kans.*, Halstead); White-crowned Sparrow, 13,917 (*Calif.*, Sacramento); Golden-crowned Sparrow, 1629 (*Calif.*, San Jose); White-throated Sparrow, 4463 (*Md.*, Ocean City); Fox Sparrow, 99 (*Pa.*, Glenolden); Lincoln's Sparrow, 85 (*Tex.*, San Antonio); Swamp Sparrow, 431 (*Va.*, Back Bay); Song Sparrow, 2299 (*Pa.*, Glenolden); McCown's Longspur, 129 (*Wyo.*, Cheyenne); Lapland Longspur, 932 (*N. Dak.*, Des Lacs); Smith's Longspur, 86 (*Ark.*, Fort Smith); Chestnut-collared Longspur, 12 (*N. Mex.*, Clayton); Snow Bunting, 539 (*N. Dak.*, Des Lacs.)

Corrigenda: Vol. II, P. 336, Col. 1, Line 16 should read "Two Yellow-bellied Sapsuckers were watched at Charlotte, N. C., April 7 (Mr. & Mrs. JRN)" not Yellow-bellied Flycatchers.

CHRISTMAS BIRD COUNT RULES

READ CAREFULLY!

REPORTS NOT ADHERING TO RULES WILL BE REJECTED

1. **Report forms supplied by Audubon Field Notes must be used.** Any other presentation will be returned. If a compiler has not received a form one month before count week, he should request one.

2. **These forms will be used by the printer.** You are submitting a manuscript so do a neat and careful job. After each species positively identified indicate the number of individuals recorded. Do not include birds found dead. Then, using a **red** pencil, draw a heavy line through each species not recorded. **Type, or print clearly,** indicating distinctly letters to be capitalized—this is especially important in the introductory, descriptive material. Condense introductory material as much as clarity permits and **place information in the correct space allotted in the form.**

3. **A count area must fill (preferably) or fit within a 15-mile diameter circle.** Compilers should recheck areas as the editor must reject any exceeding the prescribed limits.

4. Counts must be made during the period as announced each year in **Audubon Field Notes** and must cover only one calendar day. Reports not reaching the National Audubon Society, 1130 Fifth Avenue, New York 28, New York, by January 15th cannot be accepted.

5. Dawn to dusk or longer counts are preferred and **those of less than 8 hours duration (except in Arctic areas or on pelagic counts) will not be printed.**

6. Birds whose occurrence is of special interest should be underscored with a wavy line to indicate boldface type. Should abundance be the noteworthy item underscore only the number recorded. If birds unusual for your area around Christmas are reported, **a sheet must accompany the report giving satisfactory details of such observations.**

7. The ruled lines at the end of the form are to be used **only** for:

   1. Species not seen on count day but during official count period (list species **in correct checklist order.** Do not list dates or numbers).
   2. All participants **who have paid their $.50 fee listed alphabetically.** Do **not** place addresses here—a separate sheet listing all participants and addresses is required for Audubon House files.

8. Do not initiate a new count in an area near one already established (established counts have priority). Preferably help a nearby group make a more thorough count. Compilers of established counts should check neighboring ones to make sure there is no duplication of territory covered. **The editor must reject counts where overlapping occurs.**

9. Before starting a report, it is suggested that the compiler **place the preceding issue of the Christmas Bird Count before him and use it as a guide.** Before mailing the form, recheck to make sure everything is correct and no items omitted. Please **double-check** your addition of (1) number of species seen; (2) number of individual birds seen; (3) number of persons participating in the count.

10. Because of skyrocketing costs, **Audubon Field Notes** finds it necessary to ask every observer to pay an entry fee of $.50 (fifty cents) for each count in which he participates. It is the compiler's responsibility to send in with his report $.50 (fifty cents) for each participant whose name is listed at the end of the count.

Christmas Bird Count Dates

Saturday, December 20, 1958—Thursday, January 1, 1959
(deadline for copy—January 15)

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